TABLES OF THEORETICAL LINE POSITIONS AND INTENSITIES FOR THE $\Delta v = 1$, $\Delta v = 2$ AND $\Delta v = 3$ VIBRATION-ROTATION BANDS OF $C^{12}O^{16}$ AND $C^{13}O^{16}$

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VIRGIL G. KUNDE

JUNE 1967



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GODDARD SPACE FLIGHT CENTER Greenbelt, Maryland

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Virgil G. Kunde

ABSTRACT

Theoretical line positions and intensities are tabulated for the fundamental, first overtone and second overtone vibration-rotation bands of $\rm C^{12}\,O^{16}$ and $\rm C^{13}\,O^{16}$ for temperatures in the range 175-3500°K.

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EXPLANATION OF TABLES

Tabulated in this report are the line positions and intensities for the fundamental ($\Delta v = 1$), first overtone ($\Delta v = 2$) and second overtone ($\Delta v = 3$) vibration-rotation bands of $C^{12}O^{16}$ and $C^{13}O^{16}$ for temperatures in the range of 175-3500°K. The theory, molecular constants and computational procedure for generating these molecular parameters will be described in a separate publication (Kunde, 1967). For the temperature range 175-1800°K, collisional line half-widths due to $CO-N_2$ collisions are included and the integrated absorption coefficient or line intensity, $S_{\rm STP}^{1p}$, is given in units of cm⁻² atm⁻¹ corresponding to an absorption coefficient per unit length per unit pressure. The values of $S_{\rm STP}^{1p}$ are referenced to normal temperature and pressure conditions. For the temperature range 1000-3500°K, collisional line half-widths due to $CO-H_2$ are included and the line intensity, $S_{\rm TP}^{\rm m}$, is given in units of cm·gm⁻¹ corresponding to an absorption coefficient per unit mass. All of the calculations were performed on an IBM 7094. The $C^{12}O^{16}$ and $C^{13}O^{16}$ line intensities are weighted in accordance with a terrestrial C^{12}/C^{13} abundance ratio.

The column headings for the table are:

VU-Upper vibrational quantum state of transition.

VL—Lower vibrational quantum state of transition.

JU— Upper rotational quantum state of transition.

JL-Lower rotational quantum state of transition.

LOWER STATE ENERGY—Engery in wave numbers of lower quantum state.

CODE—Denotes isotopic species, 1-C¹²O¹⁶, 2-C¹³O¹⁶.

WAVE NUMBER—Wave number of transition.

WAVELENGTH-Wavelength of transition(موسوسم)

HALF-WIDTH—Collisional line half-width in wave numbers due to colliding gas designated.

INTEGRATED ABSORPTION COEFFICIENT—Line intensity in units and for temperatures designated.

REFERENCE

Kunde, V. G., 1967: to be published.

Table 1—Fundamental band of CO, T = 175-300°K. The total number of lines included is 278. For temperatures less than 300°K, the line intensities were set equal to zero for intensities less than approximately 1×10^{-6} . The line intensities correspond to an absorption coefficient per unit length per unit pressure at NTP conditions.

	VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** [NTEGRATE	ED ** ABSORI		FFICIFNT **	*****
					ENERGY		CM-1	MICRON	NS.	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
	1	0	39	40	2999•27	2	1924.94	5.1950	0.0400	0.0	0.0				5 305 A3
	1	ō	3 E	39	2853.67		1929.79	5.1619	0.0400	0.0	0.0	0.0 0.0	0.0	0.0 0.0	5.38F-07 1.06F-06
	1	ò	37	38	2711.64		1934.61	5.1690	0.0400	0.0	0.0	0.0	0.0	0.0	2.03E-06
	1	ō	44	45	3953.41		1937.82	5.1604	0.0400	0.0	0.0	0.0	0.0	0.0	5.88E-07
	1	0	36	37	2573.18		1939.40	5.1562	0.0400	0.0	0.0	0.0	0.0	1.37E-06	3.85E-06
	1	0	43	44	3782.62		1943.06	5.1465	0.0400	0.0	0.0	0.0	0.0	0.0	1.316-06
	1	0	35	36	2438.31		1944.16	5.1436	0.0400	0.0	0.0	0.0	0.0	2.70E-06	7.17E-06
	1	0	42	43	3615.54		1948.27	5.1328	0.0400	0.0	0.0	0.0	0.0	0.0	2.85E-06
	1	0	34	35	2307.02		1948.90	5.1311	0.0400	0.0	0.0	0.0	1.72E-06	5.23E-06	1.31F-05
	1	o	41	42	3452.15		1953.45	5.1191	0.0400	0.0	0.0	0.0	0.0	1.48E-06	6.10E-06
	1	0	33	34	2179.32		1953.61	5.1187	0.0400	0.0	0.0	0.0	3.49E-06	9.93E-06	2.35F-05
	1	0	32	33	2055-22		1958.29	5.1065	0.0400	0.0	0.0	2.07E-06	6.94E-06	1.85E-05	4.15E-05
	1	G	40	41	3292.48		1958.60	5.1057	0.0400	0.0	0.0	0.0	0.0	3.34E-06	1.28E-05
	1	0	31	32	1934.72		1962.94	5.0944	0.0400	0.0	1.04F-06	4.35E-06	1.35E-05	3.37E-05	7.17F-05
	1	a	39	40	3136.53		1963.73	5.0923	0.0400	0.0	0.0	0.0	1.57E-06	7.37E-06	2.65E-05
	1	٥	30	31	1817.82		1967.56	5.0824	0.0400	0.0	2.35E-06	8.91E-06	2.56E-05	6.02E-05	1.22E-04
	1	0	38	39	2984.30		1968.82	5.0792	0.0400	0.0	0.0	0.0	3.69E-06	1.60E-05	5.37E-05
	1	0	29	30	1704.53	2	1972.16	5.0706	0.0400	1.02E-06	5.14E-06	1.78E-05	4.765-05	1.06E-04	2.03E-04
	1	0	37	38	2835.80	1	1973.89	5.0661 ,	0.0400	0.0	0.0	1.53E-06	8.46E-06	3.39E-05	1.07E-04
	1	0	28	29	1594.85		1976.72	5.0589	0.0400	2.43E-06	1.09E-05	3.48E-05	8.67E-05	1.81F-04	3.33E-04
	1	٥	36	37	2691.03	1	1978.92	5.0533	0.0400	0+0	0.0	3.78E-06	1.90E-05	7.04E-05	2.09E-04
	1	0	27	28	1488.80		1981.26	5.0473	0.0400	5.63E-06	2.27E-05	6.63E-05	1.54E-04	3.06E-04	5.36E-04
H>	2	1	30	31	4027.09		1983.12	5.0426	0.0400	0.0	0.0	0.0	0.0	0.0	5.75E-07
	1	0	35	36	2550.01	1	1983.93	5.0405	0.0400	0.0	1.33E-06	9.06E-06	4.16E-05	1.44E-04	4.00E-04
	1	0	26	27	1386.36	2	1985.77	5.0358	0.0400	1.265-05	4.58E-05	1.23E-04	2.698-04	5.05E-04	8+46E-04
	2	1	20	21	2936.50	2	1987.57	5.0313	0.0447	0.0	0.0	0.0	0.0	0.0	7.76E-07
	2	1	29	30	3909.71	1	1987.91	5.0304	0.0400	0.0	0.0	0.0	0.0	0.0	9.78E-07
	1	0	34	35	2412.73	1	1988.91	5.0279	0.0400	0.0	3.48F-06	2 - 12E-05	8.93E-05	2.87E-04	7.52E-04
	1	0	25	26	1287.55	2	1990.25	5.0245	0.0400	2.74E-05	9.00E-05	2.24E-04	4.58E-04	8-17E-04	1.31E-03
	2	1	19	20	2860.19	2	1991.84	5.0205	0.0456	0.0	0.0	0.0	0.0	0.0	1.07E-06
	2	1	26	29	3796.07	1	1992.67	5.0184	0.0400	0.0	0.0	0.0	0.0	0.0	1.63E-06
	t	٥	33	34	2279.20	1	1993.86	5.0154	0.0400	0.0	8.84E-06	4.85E-05	1.87E-04	5.61E-04	1.39F-03
	1	0	24	25	1192.36	2	1994.70	5.0133	0.0400	5.78E-05	1.72E-04	3.96E-04	7.63E-04	1.29E-03	1.99E-03
	2	t	18	19	2787.51	2	1996.08	5.0098	0.0478	0.0	0.0	0.0	0.0	0.0	1-44E-06
	5	1	27	28	3686.17		1997.40	5.0065	0.0400	0.0	0.0	0.0	0.0	0.0	2.68E-06
	1	0	32	33	2149.44		1998.77	5.0031	0.0400	2.75E-06	2.18E~05	1.08E-04	3.84E-04	1.07E-03	2.51E-03
	1	0	23	24	1100.81		1999.12	5.0022	0.0412	1.18E-04	3.20E-04	6.84E-04	1.24E-03	2.01E-03	2.97E-03
	2	1	17	18	2718.44		2000.29	4.9993	0.0482	0.0	0.0	0.0	0.0	0.0	1.90E-06
	2	1	26	27	3580.03		2002.10	4.9948	0.0400	0.0	0.0	0.0	0.0	0.0	4.30E-06
	1	C	22	23	1012.90		2003.51	4.9912	0.0423	2.33E-04	5.77E-04	1.15E-03	1.98E-03	3.05É-03	4.35E-03
	1	0	31	32	2023.43		2003.66	4.9909	0.0400	7.51E-06	5.256-05	2.35E-04	7.71E-04	2.02E-03	4.47E-03
	2	1	16	17	2652.99		2004.47	4.9888	0.0493	0.0	0.0	0.0	0.0	0.0	2.46E-06
	2	1	25	26	3477.63		2006.77	4.9831	0.0400	0.0	0.0	0.0	0.0	1.62E-06	6.78E-06
	1	0	21	22	928.62		2007.88	4.9804	0.0435	4.47E-04	1.01E-03	1.89E-03	3.08E-03	4.556-03	6.25E-03
	1	0	30	31	1901.19		2008.52	4.9788	0.0400	1.99E-05	1.23E-04	4.98E-04	1.51E-03	3. / 1E-03	7.79E-03
	2	1	15	16	2591-16		2008.62	4.9785	0.0505	0.0	0.0	0.0	0.0	1. 10E-06	3.12E-06
	2	1	24	25	3379.00		2011.41	4.9716	0.0400	0.0	0.0	0.0	0.0	2.62E-06	1.05E-05
	1	0	20	21	847.99		2012.21	4.9697	0.0447	8.29E-04	1.736-03	3 • 03E-03	4.68E-03	6.63E-03	8.79E-03
	2	1	14	15	2532.96		2012.74	4.9684	0.0517	0.0	0.0	0.0	0.0	1.40E-06	3.88E-06
	1	0	29	30	1782.72		2013.35	4.9668	0.0400	5.11E-05	2.79E-04	1.03E-03	2.89E-03	6.68E-03	1.33E-05
	2	1	23	24	3284.13		2016.01	4.9603	0.0412	0.0	0.0	0.0	0.0	4.14E-06	1.59E-05
	2	0	19	20	771.00		2016.51	4.9591	0.0458	1.49E-03	2.87E-03	4.73E-03	6.96E-03	9+46E-03	1.21F-02
	æ	•	1.3	14	2478.38	2	2016.82	4.9583	0.0528	0.0	0.0	0.0	0.0	1 • 74E-06	4.71E-06

VU	٧L	Ju	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	* INTEGRAT	ED ** ABSORI	PTION ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	NS	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
							، مرت					£ 405.07	1 105-00	2.24E-02
1	0	28	29	1668.03		2018-14	4.9551	0.0400	1-27E-04	6.16E-04	2.08E-03	5.42E-03 1.33E-06	1.18E-02 6.40E-06	2.36E-05
2	1	22	23	3193.03		2020.59	4.9490	0.0423	0.0	0.0	0.0 7.19E-03	1.01E-02	1.32E-02	1.64E-02
1	0	10	19	697.65		2020.78	4.9486	0.0470 0.0540	2.59E-03 0.0	4.64E-03 0.0	0.0	0.0	2.12E-06	5.59E-06
2	1	12	13	2427.44		2020.88 2022.91	4.9483 4.9434	0.0540	3.06E-04	1.326-03	4.08F-03	9.93E-03	2.04E-02	3.68E-02
1	0	27	28	1557.12			4.9385	0.0542	0.0	0.0	0.0	0.0	2.51E-06	6.48E-06
2	1	11 17	12. 18	2380.12 627.96		2024.91 2025.03	4.9363	0.0482	4.36E-03	7.26E-03	1.07E-02	1.438-02	1.81E-02	2.18E-02
1 2	1	21	22	3105.69		2025.03	4.9380	0.0435	0.0	0.0	0.0	2.10F-06	9.69E-06	3.44E-05
1	ô	26	27	1449.99		2027.64	4.9318	0.0400	7.13E-04	2.76E-03	7.82E-03	1.78E-02	3.45E-02	5.94E-02
2	1	10	11	2336.44		2028.90	4.9288	0.0545	0.0	0.0	0.0	0.0	2.89E-06	7.34E-06
1	ô	16	17	561.92		2029.24	4.9280	0.0493	7.10E-03	1.10E-02	1.54E-02	1.98E-02	2-41E-02	2.82E-02
2	ĭ	20	21	3022.13		2029.64	4.9270	0.0447	0.0	0.0	0.0	3.25E-06	1 43E-05	4.91E-05
1	ò	25	26	1346.66		2032.35	4.9204	0.0400	1.61E-03	5.61E-03	1.46E-02	3.11E-02	5.71E-02	9.41E-02
2	1	9	10	2296.39		2032.86	4.9192	0.0547	0.0	0.0	0.0	1.07E-06	3.25E-06	8.09E-06
ī	ō	15	16	499.54		2033.42	4.9178	0.0505	1.12E-02	1.63E-02	2.16E-02	2.67E-02	3.15E-02	3.59E-02
2	1	19	20	2942.34		2034.12	4.9161	0.0458	0.0	0.0	0.0	4.90E-06	2.08E-05	6.86E-05
2	1	8	9 .	2259.98	2	2036.79	4.9097	0.0550	0.0	0.0	0.0	1.19E-06	3.54E-06	8.696-06
1	0	24	25	1247.11	1	2037.02	4.9091	0.0400	3.51E-03'	1.11E-02	2.66E-02	5.316-02	9.26E-02	1.46E-01
1	0	14	15	440.81	2	2037.57	4.9078	0.0517	1.70E-02	2.34E-02	2.95E-02	3.52E-02	4 • 02E-02	4.47E-02
2	1	18	19	2866.33	1	2038.57	4.9054	0.0470	0.0	0.0	1.29E-06	7.23E-06	2.94E-05	9.40E-05
2	1	7	8	2227.21	2	2040.70	4.9003	0.0574	0.0	0.0	0.0	1.285-06	3.74E-06	9.05E-06
1	0	23	24	1151.37		2041.66	4.8980	0.0412	7.42E-03	2.12E-02	4.72E-02	8.86E-02	1.47E-01	2.22E-01
1	0	13	14	385.75		2041.69	4.8979	0.0528	2.50E-02	3.25E-02	3.92E-02	4.51E-02	5.02E-02	5.44E-02
2	1	17	18	2794.11	1	2042.98	4.8948	0.0482	0.0	0.0	1.94E-06	1.04E-05	4.07E-05	1.26E-04
2	1		. 7	2198.07		2044.56	4.8910	0.0597	0.0	0.0	0.0	1.33E-06	3.82E-06	9.12E-06
1	0	12	13	334.34		2045.78	4.8881	0.0540	3.55E-02	4.37E-02 3.94E-02	5.07E-02	5.64E-02 1.44E-01	6.11E-02 2.28E-01	6.47E-02 3.32E-01
1	0	22	23	1059.42		2046.27	4.8869	0.0423	1.52E-02	0.0	8.15E-02 2.84E-06	1.46E-05	5.51E-05	1.66E-04
2	1	16 5	17	2725.67		2047.37	4.8843	0.0493 0.0621	0.0 0.0	0.0	0.0	1.32E-06	3.74E-06	8.84E~06
2	1	11	6 12	2172.57 286.60		2048.40 2049.84	4.8819 4.8784	0.0542	4.85E-02	5.69E~02	6.36E-02	6.87E-02	7.25E-02	7.52E-02
1 1	0	21	22	971.28		2050.85	4.8760	0.0435	3.00E-02	7.11E-02	1.37E-01	2.30E-01	3.47E-01	4.85E-01
2	1	15	16	2661.01		2051.72	4.8740	0.0505	0.0	0.0	4.04E-06	1.995-05	7.29E-05	2.13E-04
2	1	4	5	2150.72		2052+21	4.8728	0.0645	0.0	0.0	0.0	1.25E-06	3.50E-06	8-19E-06
ī	ō	10	11	242,53		2053.86	4.8689	0.0545	6.40E-02	7.18E-02	7.74E-02	8.12E-02	8.38E-02	8.53E-02
i	ŏ	20	21	886.95		2055.4C	4.8652	0.0447	5.74E-02	1.25E-01	2.25E-01	3.57E-01	5.16E-01	6.95E-01
2	1	3	4	2132.50		2055.98	4.8639	0.0676	0.0	0.0	0.0	1.11E-06	3.09E-06	7-16E-06
2	1	14	15	2600.15		2056.04	4.8637	0.0517	0.0	0.0	5.60E-06	2.66E-05	9.416-05	2.68E-04
1	0	9	10	202.12		2057.86	4.8594	0.0547	8.12E-02	8.74E-02	9+12E-02	9.33E-02	9.42E-02	9.43E-02
2	1	2	3	2117.93	2	2059.72	4.8550	0.0707	0.0	0.0	0.0	0.0	2.50E-06	5.77E-06
1	0	19	20	806.42	1	2059.91	4.8546	0.0458	1.06E-01	2.12E-01	3.59E-01	5.41E-01	7.50E-01	9.76E-01
2	1	13	14	2543.08	1	2060.32	4.8536	0.0528	0.0	1.11E-06	7.54E-06	3.45€-05	1.19E-04	3.29E-04
1	0	8	9	165.38	2	2061,83	4.8501	0.0550	9.90E-02	1.03E-01	1.04E-01	1.04E-01	1.03E-01	1.01F-01
2	1	1	2	2107.00		2063.43	4.8463	0.0738	0.0	0.0	0.0	0.0	1.77E-06	4.06E-06
1	0	18	19	729.71		2064.39	4.8440	0.0470	1.90E-01	3.51E-01	5.58E-01	8.015-01	1.07E 00	1.34E 00
2	1	12	13	2489-80		2064.57	4.8436	0.0540	0.0	1.52E-06	9.86E-06	4.36E-05	1+46E-04	3.95E-04
1	0	7	8	132,31		2065.76	4.8408	0.0574	1.16E-01	1.16E-01	1.14E-01	1.12E-01	1.09E-01	1.065-01
5	1	0	1	2099.72		2067.10	4.8377	0.0769	0.0	0.0	0.0	0.0	0.0	2.10E-06
2	1	11	12	2440.32		2068.79	4.8337	0.0542	0.0	2.00E-06	1.25E-05	5.36E-05	1.74E-04	4.63E-04
1	0	17	18	656.82		2068.84	4.0336	0.0482	3.28E-01	5.63E-01	8.45E-01	1.16E 00	1.48E 00 1.11E-01	1.81E 00
1	0	6	7	102.91		2069.66	4.8317	0.0597	1.29E-01	1.25E-01	1.21E-01	1.16E-01 6.40E-05	2.03E-04	1.07E-01 5.29E-04
2 1	1	10 16	11 17	2394.64 587.75		2072.98 2073.26	4.8240 4.8233	0.0545 0.0493	0.0 5.47E-01	2.55E-06 8.75E-01	1.54E-05 1.24E 00	1.63E 00	2.01E 00	2.38E 00
1	0	16	6	77.19		2073.20	4.8233	0.0493	1.37E-01	1.29E-01	1.22E-01	1.16E-01	1.09E-01	1.04E-01
	U	2	0	77.19		66.61.03	7.0221	V. VUZ I	1.016-01	* • * > L = V I	**	4 4 4 GL - V 1	7 = 0 \r 0 t	10046 01

OI.

VU	٧L	JU	JL,	LOWER STATE	CODE	WAVE NUMBER	₩AVE ' LENGTH	HÄLF Width	******	** INTEGRATE	ED ** ABSORI		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
2	1	1	0	2096.07	2	2074.36	4.8208	0.0769	0.0	0.0	0.0	0.0	0.0	2.15E-06
2	1	9	10	2352.76	1	2077.13	4.8143	0.0547	0.0	3.14E-06	1.83E-05	7.41F-05	2.315-04	5.89E-04
1	0	4	5	55.14		2077.37	4.8138	0.0645	1.37E-01	1.276-01	1 . 18E-01	1.09E-01	1.02E-01	9.60E-02
1	0	15	16	522.50		2077.65	4.8131	0.0505	8-82E-01	1.32E 00	1.78E 00	2.23E 00	2.67E 00	3.07E 00
2	1	2	1	2099.72		2077.94	4.8125	0.0738	0.0	0.0	0.0	0.0	1.85E-06	4.22E-06
1	0	3	4	36.76	2	2081.17	4.8050	0.0676	1.28E-01	1 • 1 6E-0 1	1.06E-01	9.75E~02	9.03E-02	8.40E-02
2	1	8	9	2314.69	1	2081.25	4.8048	0.0550	0.0	3.73E-06	2.10E-05	8.32E-05	2.54E-04	6.37E-04
2	1	3	2	2107.00	2	2081.48	E408.4	0.0707	0.0	0.0	0.0	0.0	2.67E-06	6.13E-06
1	0	14	15	461.08	1	2082.00	4.8031	0.0517	1.37E 00	1.93E 00	2.47E 00	2.99E 00	3.45E 00	3.87E 00
1	0	2	3	22.06	2	2084.95	4.7963	0.0707	1.08E-01	9.66E-02	8.73E-02	7.97E-02	7.32E-02	6.77E-02
2	1	4	3	2117.93	2	2084.99	4.7962	0.0675	0.0	0.0	0.0	1.22E-06	3.37E-06	7.77E-06
2	1	7	8	2280.41		2085.33	4.7954	0.0574	0.0	4 . 24E-06	2.336-05	9.02E-05	2.70E-04	6.69E-04
1	0	13	14	403.48	1	2086.32	4.7931	0.0528	2.06E 00	2.73E 00	3.34E 00	3.89E 00	4.36E 00	4.76E 00
2	1	5	4	2132.50	2	2088.47	4.7882	0.0645	0.0	0.0	0.0	1 • 4 1E-06	3.91E-06	9.07E-06
1	0	1	2	11.03		2088.69	4.7877	0.0738	7.90E-02	6.98E-02	6.26E-02	5.67E-02	5-18E-02	4.76E-02
2	1	б	7	2249.94		2089.38	4.7861	0.0597	0.0	4+63E-06	2.48E-05	9.41E-05	2.78E-04	6.78F-04
1	0	12	13	349.72		2090.61	4.7833	0.0540	2.98E 00	3.73E 00	4.38E 00	4.93E 00	5.37E 00	5.73E 00
2	1	6	5	2150.72		2091.92	4.7803	0.0621	0.0	0.0	0.0	1.52F-06	4.27E-06	9.98E-06
1	0	0	1	3.68		2092.40	4.7792	0.0769	4.20E-02	3.69E-02	3.28E-02	2.96E-02	2.69E-02	2.47E-02
2	1	5	6	2223.28	1	2093.40	4.7769	0.0621	0.0	4.81F-06	2.535-05	9.42E-05	2.74E-04	6.61E-04
1	O	11	12	299.78	1	2094.86	4.7736	0.0542	4.15E 00	4.94E 00	5.57E 00	6.07E 00	6.45E 00	6.74E 00
2	1	7	6	2172.57		2095.33	4.7725	0.0597	0.0	0.0	0.0	1.57E-06	4,45E-06	1.05E-05
2	1	4	5	2200.42		2097.38	4.7679	0.0645	0.0	4.74E~06	2.44E-05	8.97F-05	2.5BE-04	6.16E-04
2	1	8	7	2198.07		2098.70	4.7649	0.0574	0.0	0.0	0.0	1.55E-06	4.45E-06	1.06E-05
1	0	10	11	253.68		2099.08	4.7640	0.0545	5.57E 00	6.32E 00	6.87E 00	7.27E 00	7.54E 00	7.71E 00
1	0	1	0	-0.0	2	2099.72	4.7625	0.0769	4.34E-02	3.80E-05	3.37F-02	3.03E-05	2.75E-02	2.52E-02
2	1	3	4	2181.37	1	2101.33	4.7589	0.0676	0.0	4.35E-06	2.21E-05	8.01E-05	2.28E-04	5.40E-04
2	1	9	8	2227.21	2	2102.05	4.7573	0.0550	0.0	0.0	0.0	1.48E-06	4.31E-06	1.04E-05
1	0	9	10	211.42		2103.27	4.7545	0.0547	7.18E 00	7.80E 00	8.20E 00	8.44E 00	8.56E 00	8.60E 00
1	C	2	1	3.68	2	2103.33	4.7544	0.0738	8.44E-02	7.41E-02	6.59E-02	5.94E-02	5.41E-02	4.96E-02
2	1	2	3	2166.13	1 ,	2105.25	4.7500	0.0707	0.0	3.65E-06	1.83E-05	6.57E-05	1.85E-04	4.37E-04
2	1	10	9	2259.98		2105.36	4.7498	0.0547	0.0	0.0	0.0	1.36E-06	4.04E-06	9.915-06
1	0	3	2	11.03		2106.90	4.7463	0.0707	1.19F-01	1.06E-01	9.45E-02	8.565-02	7.82E-02	7.20E-02
1	0	. 6	9	172.99	1	2107.42	4.7451	0.0550	8.88E 00	9.26F 00	9.45E 00	9.49E 00	9.44E 00	9.32E 00
2	1	11	10	2296.39	2	2108.63	4.7424	0.0545	0.0	0.0	0.0	1.22E-06	3.68E-05	9.17E-06
2	1	1	2	2154.70	1	2109.13	4.7413	0.0738	0.0	2.64E-06	1.31E-05	4.68E-05	1.31E-04	3.08E-04
1	0	4	3	22.06	2	2110.45	4.7383	0.0676	1.46E-01	1.30E-01	1.18E-01	1.07E-01	9.86E-02	9 • 1 2E-0 S
1	0	7	. 8	138.40	1	2111.54	4.7359	0.0574	1.05E 01	1.06E 01	1.05E 01	1.03E 01	1.01E 01	9.79E 00
2	1	12	11	2336.44	2	2111.88	4.7351	0.0542	0.0	0.0	0.0	1.06E-06	3.26E-06	8.26E-06
2 1	1	0 5	1	2147.08	1	2112.97	4.7327	0.0769	0.0	1.40E-06	6.90E-06	2.45E-05	6.84E-05	1.605-04
2				36.76	2	2113.96	4.7305	0.0645	1.62E-01	1 • 47E-0 1	1.34E-01	1.23E-01	1 • 14F-01	1.06E-01
	1	13	12	2380.12	2	2115.08	4.7280	0.0540	0.0	0.0	0.0	0.0	2.81E-06	7.27E-06
1	0	6	7 5	107.65	1	2115.63	4.7267	0.0597	1.18E 01	1.16E 01	1.12E 01	1.08F 01	1.04E 01	9.94E 00
2	1	6		55.14	2	2117.44	4.7227	0.0621	1.67E-01	1+54E-01	1.43E-01	1.335-01	1.25E-01	1.17E-01
1	ò	14	13 6	2427.44 80.74	2	2118.26	4.7209	0.0528	0.0	0.0	0.0	0.0	2.37F-06	6.25E-06
2	1	1	0		1	2119.68	4.7177	0.0621	1.27E 01	1.20E 01	1.14E 01	1.08E 01	1.02E 01	9.71E 00
1	ō	7	6	2143.27 77.19	1 2	2120.56	4.7157	0.0769	0.0	1.44E-06	7.09E-06	2.516-05	7.00E-05	1.63E-04
2	1	15	14	2478.38		2120.88	4.7150	0.0597	1.63E-01	1.54E-01	1.45E-01	1.37E-01	1.30E-01	1.236-01
1	ò	4	5	57.67	1	2121.40	4.7139	0.0517	0.0	0.0	1 0.0	0.0	1 • 95E-06	5.25E-06
i	ŏ	8	7	102.91	2	2123.70 2124.29	4.7088 4.7075	0.0645 0.0574	1.28E 01 1.51E-01	1.19E 01	1.10E 01	1.03F 01	9.64E-00	9.05E 00
2	1	2	í	2147.08	1	2124.29	4.7074	0.0574	0.0	1.46E-01	1.415-01	1.36E-01	1.30E-01	1.25E-01
2	1	16	15	2532.96		2124.50	4.7070	0.0505	0.0	2.81E-06	1.39E-05	4.92E-05	1.37E-04	3.21E-04
_	•	• •		2302170	4-	-1-4-1-10	441010	A • 0502	V • U	0.0	0.0	0.0	1.56E-06	4.32E-06

VÜ	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	* INTEGRAT	ED ** ABSOR		EFFIÇIENT *	, ,
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200,	T = 225	T = 250	$\tau = 275$	T = 300
								•						
2	1	17	16	2591.16	2	2127.57	4.7002	0.0493	0.0	0.0	0.0	0.0	1.23E-06	3.47E-06
1	ē	9	8	132.31	2	2127.67	4.7000	0.0550	1.33E-01	1.346-01	1.32E-01	1.29E-01	1 - 26E-01	1.22E-01
1	ō	3	4	38.45	1	2127.68	4.7000	0.0676	1.20E 01	1.09E 01	9.99E 00	9.21E 00	8.54E 00	7.95E 00 "
2	1	3	2	2154.70	1	2128.00	4.6992	0.0707	0.0	3.99E-06	1.98E-05	7.08E-05	1.98E-04	4.65E-04
2	1	18	17	2652.99	2	2130.60	4.6935	0.0482	0.0	0.0	0.0	0.0	0.0	2.74E-06
1.	_ 0	10	9	165.38	2	2131.01	4.6926	0.0547	1.13E-01	1.17E-01	1 • 19E-01	1.19E-01	1.18E-01	1.16E-01
1	0	2	3	23.07	1	2131.63	4.6912	0.0707	1.02E 01	9.16E 00	8.28E 00	7.56E 00	6.95E 00	6.43E 00
2	1	4	3	2166.13	1	2131.67	4.6912	0.0676	0.0	4.91E-06	2.46E-05	8.85E-05	2.50E-04	5.88E-04
2	1	19	18	2718.44	2	2133.60	4.6869	0.0470	0.0	0.0	0.0	0.0	0.0	2.11E-06
1	0	11	10	202.12	2	2134.32	4.6853	0.0545	9.21E-02	9.91E-02	1.03E-01	1.06E-01	1.07E-01	1.075-01
2	1	5	4	2181.37	1	2135.31	4.6832	0.0645	0.0	5.51E-06	2.80E-05	1.01E-04	2.89E-04	6'-84E-04
1	0	1	2	11.54	1	2135.55	4.6826	0.0738	7.51E 00	6.64E 00	5.95E 00	5.39E 00	4.93E 00	4.54E 00
2	1	20	19'	2787.51	2	2136.56	4.6804	0.0458	0.0	0.0	0.0	0.0	0.0	1.60E-06
1	0	12	11	242.53	2	2137.59	4.6782	0.0542	7.22E-02	8.09E-02	B.72E-02	9.16E-02	9.45E-02	9.62E-02
2	1	6	5	2200.42		2138.90	4.6753	0.0621	0.0	5.77E-06	2.98E-05	1.09E-04	3-14E-04	7.51E-04
1	0	0	1.	3.85	1	2139.43	4.6741	0.0769	4.01E 00	3.51E 00	3.13E 00	2.82E 00	2.57E 00	2.36E 00
2	1	21	20	2860.19	2	2139.49	4.6740	0.0447	0.0	0.0	0.0	0.0	0.0	1.195-06
1	0	13	12	286.60	2	2140.83	4.6711	0.0540	5.45E-02	6.39E-02	7.14E-02	7.71E-02 0.0	8.14E-02 0.0	8.45E-02 8.63E-07
2	1	22	21 6	2936.50	2 1	2142.38 2142.47	4.6677 4.6675	0.0435 0.0597	0.0 0.0	0.0 5.72E-06	0.0 3.00E-05	1.12E-04	3.25E-04	7.86E-04
1	0	14	13	2223.28 334.34	2	2144.04	4.6641	0.0528	3.97E-02	4.89E-02	5.67E-02	6.32E-02	6.84E-02	7.24E-02
2	t	8	7	2249.94	1	2145.99	4.6599	0.0520	0.0	5.41E-06	2.90E-05	1.10E-04	3.24E-04	7.92E-04
1	ō	1	ò	-0.0	i	2147.08	4.6575	0.0769	4.15E 00	3.62E 00	3.22E 00	2.89E 00	2.63E 00	2.41E 00
i	ŏ	15	14	385.75	ż	2147.21	4.6572	0.0517	2.79E-02	3.62E-02	4.38E-02	5.04E-02	5.60E-02	6.07E-02
2	ĭ	9	8	2280.41	1	2149.48	4.6523	0.0550	0.0	4.89E-06	2.69E-05	1.04E-04	3.104	7.71E-04
1	ō	16	15	440.81	2	2150.35	4.6504	0.0505	1.90E-02	2.61E-02	3.29E-02	3.92E-02	4.492-02	4.98E-02
. 1	ō	2	1	3.85	1	2150.86	4.6493	0.0738	8.05E 00	7.06E 00	6.29E 00	5.67E 00	5.16E 00	4.73E 00
2	1	10	9	2314.69	1	2152.94	4.6448	0.0547	0.0	4.255-06	2.40E-05	9.49E-05	2.90E-04	7.28E-04
1	0	17	16	499.54	2	2153.45	4.6437	0.0493	1.24E-02	1.826-02	2.41E-02	2.98E-02	3.51E-02	4.00E-02
1	0	3	2	11.54	1	2154.60	4.6412	0.0707	1.13F 01	1.00E 01	8.99E 00	8.15E 00	7.45E 00	6.85E 00
2	1	11	10	2352.76	1	2156.35	4.6375	0.0545	0.0	3.56E-06	2.07E-05	8.40E-05	2.61E-04	6.68E-04
1	0	18	17	561.92	2	2156.51	4.6371	0.0482	7.90E-03	1.23E-02	1.71E-02	2.20E-02	2.69E-02	3.14E-02
1	0	4	3	23.07	1	2158.30	4.6333	0.0676	1.38E 01	1.23E 01	1.12E 01	1.02E 01	9.36E 00	8.66E 00
1	0	19	18	627.96	2	2159.54	4.6306	0.0470	4.85E~03	E0-380.8	1.19E-02	1.595-02	2.01E-02	2+42E-02
2	1	12	11	2394.64	1	2159.73	4.6302	0.0542	0.0	2.88E-06	1.73E-05	7.21E-05	2.29E-04	5.97E-04
1	0	5	4	38,45	1	2161.97	4.6254	0.0645	1.52E 01	1.38E 01	1.27E 01	1.17E 01	1.08E 01	1.01E 01
1	0	50	19	697.65	2,	2162.54	4.6242	0.0458	2.88E-03	5.16E-03	8.00E-03	1.12E-02	1.47E-02	1.83E-02
2	1	13	12	2440.32		2163.08	4.6230	0.0540	0.0	2.25E-06	1.40E-05	6.01E-05	1.96E-04	5.20E-04
1	0	21	20	771.00		2165.50	4.6179	0.0447	1.66E-03	3.20E-03	5.26E-03	7.75E-03	1.05E-02	1.356-02
1	0	6	5	57.67	1	2165.60	4.6177	0.0621	1,.56E 01	1.45E 01	1.35E 01	1.26E 01	1.18E 01	1.10E 01
2	1	14	13	2489.80	1	2166.38	4.6160	0.0528	0.0	1.70E-06	1.10E-05	4.88E-05	1.63E-04	4.42E-04
1	0	22	21	847.99	2	2168.43	4.6116	0.0435	9.24E-04	1.93E-03	3.37E-03	5.22E-03 1.28E 01	7.39E-03 1.22E 01	9.80E-03 1.16E 01
1	-	7 15	6	80.74	1	2169.20	4.6100 4.6090	0.0597 0.0517	1.51E 01	1.43E 01 1.24E-06	1.36E 01 8.42E-06	3.85E-05	1.32E-04	3.68E-04
2	0	23	14 22	2543.08	1 2	2169.65	4.6055	0.0517	0•0 4•98E-04	1.135-03	2.11E-03	3.43E-03	5.07E-03	6.96E-03
1	0	23	7	928.62 107.65	1	2171.31 2172.76	4.6024	0.0574	1.38E 01	1.35E 01	1.31E 01	1.26E 01	1.21E 01	1.16E 01
2	1	16	15	2600.15	1	2172.88	4.6022	0.0505	0.0	0.0	6.25E-06	2.96E-05	1.05E-04	2.99E-04
1	ò	24	23	1012.90	2	2174.17	4.5995	0.0412	2.60E-04	6.44E-04	1.29E-03	2.21E-03	3.41E-03	4.86E-03
2	1	17	16	2661.01	1	2176.08	4.5954	0.0493	0.0	0.0	4.50E-06	5.55E-02	8.12E-05	2.37E-04
1	ô	9	8	138.40	i	2176.29	4.5950	0.0550	1.21E 01	1.22E 01	1.21E 01	1.19E 01	1.16E 01	1.13E 01
î	Ö	25	24	1100.81	à	2176.99	4.5935	0.0400	1.32E-04	3.57E-04	7.64F-04	1.39F-03	2.24E-03	3.32E-03
2	ĭ	18	17	2725.67	1	2179.24	4.5888	0.0482	0.0	0.0	3.16E-06	1.62E-05	6-13E-05	1.84E-04
1	ō	26	25	1192.36		2179.77	4.5876	0.0400	6.46E-05	1.92E-04	4.43E-04	8.54E-04	1 - 45E-03	2.23E-03
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VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVĘ Length	HALF Width	******	** INTEGRAT	ED ** ABSORI		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
1	٥	10	9	172.99	1	2179.78	4.5876	0.0547	1.01E 01	1.06E 01	1.08E 01			
2	1	19	18	2794.11	ī	2182.36	4.5822	0.0470	0.0	0.0	2.15E-06	1.08E 01 1.16E-05	1.08E 01 4.53E-05	1.06E 01
1	0	27	26	1287.55		2182.51	4.5819	0.0400	3.075-05	1.01E-04	2.51E-04	5.13E-04	9.15E-04	1.40E-04 1.47E-03
1	0	11	10	211.42		2183.23	4.5804	0.0545	8.15F 00	8.85E 00	9.30E 00	9.57E 00	9.71E 00	9.76E 00
1	0	28	27	1386.36	2	2185.22	4.5762	0.0400	1.42E-05	5.14E-05	1.38E-04	3.02E-04	5.66E-04	9.49E-04
2	1	20	19	2866.33	1	2185.44	4.5757	0.0458	0.0	0.0	1.43E-06	8.04E-06	3.27E-05	1.05E-04
1	0	12	11	253.68	1	2186.64	4.5732	0.0542	6.29E 00	7.13E 00	7.75E 00	8.50E 00	8.51E 00	8.70E 00
1	0	29	28	1488.80	2	2187.89	4.5706	0.0400	6.32E-06	2.556-05	7.45E-05	1.74E-04	3.44E-04	6.02E-04
2	1	21	20	2942.34	1	2188.48	4.5694	0.0447	0.0	0.0	0.0	5-46E-06	2.31E-05	7.64E-05
1	0	13	12	299.78		2190.02	4.5662	0.0540	4.67E 00	5.55E 00	6.26E 00	6.82E 00	7.25E 00	7.57E 00
1	0	30	29	1594.85		2190.53	4.5651	0.0400	2.74E-06	1.23E-05	3.92E-05	9.76E-05	2.04E-04	3.75E-04
2	1	22	21	3022.13	1	2191.49	4.5631	0.0435	0.0	0.0	0.0	3.62E-06	1.60E-05	5.47E-05
1	0	31	30	1704.53	2	2193.13	4.5597	0.0400	1.15E-06	5.79E-06	2.01E-05	5.37F-05	1.19E-04	2.29E-04
1	0	14	13	349.72		2193.36	4.5592	0.0528	3.34E 00	4.18E 00	4.91E 00	5.52E 00	6.02E 00	6.43E 00
2	1	23	22	3105.69		2194.45	4.5570	0.0423	0.0	0.0	0.0	2.34F-06	1.0BE-05	3.83E-05
1	0	32	31	1817.82		2195.69	4.5544	0.0400	0.0	2.65E-06	1.01E-05	2.89E-05	6.81E-05	1.38E-04
1 2	0	15 24	14 23	403.48		2196.67	4.5523	0.0517	2.30E 00	3.05E 00	3.73E 00	4.35E 00	4.88E 00	5.33E 00
1	ō	33	32	3193,03		2197.38	4.5509	0.0412	0.0	0.0	0.0	1.48E-06	7+14E-06	2.63E-05
i	Ö	16	15	1934.72 461.08		2198+21	4.5492	0.0400	0.0	1.18E-06	4.92E-06	1.53E-05	3.81E-05	8 • 1 2E-0 5
2	1	25	24	3284.13	1	2199.93	4.5456	0.0505	1.53E 00	2.15E 00	2.76E 00	3.33E 00	3.85E 00	4.32E 00
ī	ò	34	33	2055.22		2200.27 2200.70	4.5449 4.5440	0.0400 0.0400	0.0	0.0	0.0	0.0	4.63E-06	1.77E-05
, ē	1	26	25	3379.00		2203.13	4.5390	0.0400	0.0	0.0	2.35E-06	7.86E-06	2.09E-05	4.70E-05
, <u>ī</u>	õ	35	34	2179.32		2203.15	4.5390	0.0400	0.0	0.0	0.0	0.0	2.93E-06	1.17E-05
1	Ö	17	16	522.50	ī	2203.16	4.5389	0.0493	9.84E-01	1.47E 00	1.10E-06 1.98E 00	3.97E-06 2.49E 00	1.13E-05	2.67E-05
1	ō	36	35	2307.02		2205.56	4.5340	0.0400	0.0	0.0	0.0	1.96E-06	2.97E 00 5.95E-06	3.42E 00 1.49E-05
2	1	27	26	3477.63	1	2205.94	4.5332	0.0400	0.0	0.0	0.0	0.0	1.82E-06	7.59E-06
1	0	18	17	587.75	1	2206.36	4.5324	0.0482	6.10E-01	9.75E-01	1.39E 00	1.81E 00	2.24E 00	2.65E 00
1	G	37	36	2438.31	2	2207.94	4.5291	0.0400	0.0	0.0	0.0	0.0	3.08E-06	8.18E-06
2	1	26	27	3580.03	1	2208.71	4.5275	0.0400	0.0	0.0	0.0	0.0	1.116-06	4.82E-06
1	0	19	18	656.82		2209.51	4.5259	0.0470	3.65E-01	6.27E-01	9.41E-01	1.29E 00	1.65E 00	2.01E 00
1	O	38	37	2573.18	2	2210.27	4.5243	0.0400	0.0	0.0	0.0	0.0	1.57E-06	4.40E-06
2	1	29	28	3686.17		2211.45	4.5219	0.0400	0.0	0.0	0.0	0.0	0.0	3.01E-06
1	0	39	38	2711.64		2212.57	4.5196	0.0400	0.0	0.0	0.0	0.0	0.0	2.33E-06
1	٥	20	19	729.71		2212.63	4.5195	0.0458	2.12E-01	3.916-01	6.23E-01	8.93E-01	1.19E 00	1.50E 00
2	1	30	29	3796.07		2214.14	4.5164	0.0400	0 • 0	0.0	0.0	0.0	0.0	1.84E-06
1	0	40	39	2853.67		2214.83	4.5150	0.0400	0.0	0.0	0.0	0.0	0.0	1.21E-06
! 2	0	21	20	806.42		2215.70	4.5132	0.0447	1.18E~01	2.37E-01	4.01E-01	6.04E-01	8.36E-01	1.09E 00
	1	31	30	3909.71	1	2216.80	4.5110	0.0400	0.0	0.0	0.0	0.0	0.0	1.10E-06
1	0	41 22	40	2999.27		2217.06	4.5105	0.0400	0.0	0.0	0.0	0.0	0.0	6.18E-07
2	1	32	21 31	886.95		2218.75	4.5070	0.0435	6.40E-02	1.39E-01	2.51E-01	3.98E-01	5.75E-01	7.76E-01
1	Ö	23	22	4027.09		2219.42	4.5057	0.0400	0.0	0.0	0.0	0.0	0.0	6.49E-07
1	Ö	24	23	971.28 1059.42		2221.75	4.5010	0.0423	3.35E-02	7.95E-02	1.53E-01	2.57E-01	3.87E-01	5.42E-01
i	ŏ	25	24	1151.37		2224.71 2227.64	4.4950	0.0412	1.70E-02	4.40E-02	9.12E-02	1+61E-01	2.55E-01	3.71E-01
i	Ö	26	25	1247-11	i	2230.52	4.4891 4.4833	0.0400	8.31E-03	2.37E-02	5.28E-02	9.92E-02	1.65E-01	2.496-01
i	ŏ	27	26	1346.66		2233.37	4.4775	0.0400 0.0400	3.94E-03 1.81E-03	1.24E-02	2.98E-02	5.95E-02	1.04E-01	1.64E-01
i	ŏ	28	27	1449.99		2236.18	4.4719	0.0400	8.02E-04	6.30E-03 3.11E-03	1.64E-02 8.79E-03	3.49E-02 2.00E-02	6.41E-02	1.06E-01
1	ō	29	26	1557.12		2238.95	4.4664	0.0400	3.44E-04	1.49E-03	4.60E-03	1.125-02	3.88E-02 2.30E-02	6.68E-02
1	Č	30	29	1668.03	ī	2241.68	4-4609	0.0400	1.43E-04	6.95E-04	2.34E-03	6-125-03	1.33E-05	4.15E-02 2.52E-02
1	0	31	30	1782.72		2244.37	4.4556	0.0400	5.78E-05	3.15E-04	1.16E-03	3.27F-03	7.56E-03	1.51E-02
1	0	32	31	1901.19		2247.02	4.4503	0.0400	2.25E-05	1.39E-04	5.64E-04	1.715-03	4.20E-03	8.82E-03
1	0	33	32	2023.43	1	2249.63	A-4452	0.0400	8.52E-06	5.96E-05	2.67E-04	8.74E-04	2.295-03	5.07E-03

	.VQ, .	. Y.L	์ "ทักไ	<u></u>	LOYER STATE	CODE	NUMBER	LENGTH	WIDTH	,***** <u>**</u> *	±±, INTEGRATE	D_** ABSOR	PTION ** COE ATM-1	FFICIENT **	*****
~-					ENERGY		CM-1	MICRON	N2	T = 175	T_= 200	T = 225	T = 250	T = 2,75	T = 300
	1	- 	34	33	2149.44		2252.20	4.4401	0.0400	3.12E-06		-::		·	
_	1	. 0	35		2279.20	ī	2254.73	· -	0.0400	1.11E-06_	2.48E-05 1.01E-05	1 - 23E-04	4.376-04	1.22E-03	2.86E-03
	1	0	36	35	2412.73	1	2257.23		0.0400	0.0	3.97E-06	, 5.52E-05	2-13E-04	6.39E-04	1.58E-03
	.1.	0	37	36	2550.01	1	2259.68		0.0400	0.0		2.426-05	1.02E-04	3-27E-04	8.58E~04
-	1~~	0	38	37	2691.03	1	2262.09		0.0400	** . **********************************		1+04E-05		1-64E-04	4.57E-04
	1	ò	39	38	2835.80	;	2264.46			0.0	0.0	4.32E-06	2.17E-05	8 • 07E-05	2.39E-04
_	- -	- ×	40	39	2984.30		-		0.0400	0.0	0.0	1.76E-06	9.71E-06	3.89E-05	1.23E-04
	•	~	-			1	2266.79		0.0400	0.0	0.0	0.0	'4.24E-06	1.84E-05	6.18E-05
	- 💠	٠.	41	. 40_	3136,53	. 1	2269.07	4•4071 _ ,_	0.0400	00	0.0	0.0	1.81E-06	8.50E-06	3.06E-05
	1	0	42	41	3292.48	1	2271.32	4•4027	0.0400	0.0	0.0	0.0	ó.o `	3.85E-06	1.48E-05
	ı	0	43	42	3452.15	1	2273.53	4.3984	0.0400	0.0	0.0	0.0	0.0	1.71F-06	7.07F-06
	1	0	44	43	3615.54	1	2275.69	4.3943	0.0400	0.0	0.0	0.0	0.0	0.0	3.31E-06
	1	O	45	44	3782.62	1	2277.81	4.3902	0.0400	0.0	0.0	0.0	0.0	0.0	
	1	0	46	45	3953.41	1	2279.89		0.0400	0.0	0.0	0.0	-		1.58E-06
											0.0	0.0	0.0	0.0	6.86E-07

Table 2—First overtone band of CO, T = 175-300°K. The total number of lines included is 280. For temperatures less than 300°K, the line intensities were set equal to zero for intensities less than approximately 1×10^{-8} . The line intensities correspond to an absorption coefficient per unit length per unit pressure at NTP conditions.

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VU	٧L	JU	JL	LCWER	CODE	WAVE	WAVÉ	HALF	*****	** INTEGRATE	D ** ABSORI	PTION ** COE	FFICIENT **	*****
				STATE		NUMBER	LENGTH	WIDTH			CF-2*	ATM-1		
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200	T = 225	T = 250	T = 275	
										-				
2	Q	39	40	2999.27	2	3970.16	2.5188	0.0400	0.0	0.0	0.0	0.0	0.0	3.38E-09
2	Č	36	39	2853.67		3976.29	2.5149	C.04CC	0.0	0.0	C.O	0.0	0.0	6.64E-09
2	Ö	37	38	2711.64	2	3982.35	2.5111	0.0400	0.0	0.0	0.0	0.0	0.0	1.28E-08
2		3€	37	2573.18	2	3988.35	2.5073	0.0400	0.0	0.0	0.0	0.0	0.0	2.44E-08
2	ó.	35	36	2438.31	2	3994.29	2.5075	0.0400	0.0	0.0	0.0	0.0	1.726-08	4.55E~08
	٩.	34	35	2307.02							0.0	1.105-08	3.336-08	8.33E-08
,z						4000.18	2.4999	0.0400	0.0	0.0				
,2 2	0	33	34 33	2179.32		4006.00	2.4963_	0.0400	. 0.0	9	0.0	2.235-08	6.33E-08	1.50E-07 2.65E-07
2	1	32 31	32	2055.22		4011.76	2.4927	0.0400	0.0	0.0	1.32E-08	4 • 4 3E-08	1.18E-07	
	ć	-	_	1934.72		4017.46	2.4891	C.0400	0.0	0.0	2.79E-08	8.63E-08	2.16E-07	4.60E-07
2	C	44	45	3953.41	1	4019.94	2.4876	0.0400	0.0	0.0	0.0	0.0	0.0	3.65E-09
3	1	21	22	3016.41	2	4021.20	2.4868	0.0435	0.0	0.0	0.0	0.0	0.0	5.66E-09
2	C-	30	31	1817.82		4023.09	2.4857	0.0400	0.0	1.51F-08	5.72E-08	1.65E-07	3.87E-07	7.83E-07
3	1	2 C	21	2936.50		4026.19	2.4837	0.0447	0.0	0.0	0.0	0.0	0.0	7.96E-09
2	0	43	44	3782.62		4026.72	2.4834	0.0400	0.0	0.0	0.0	0.0	0.0	8 · 1 3E-09
2	G	25	ЭС	1704.53		4028.67	2.4822	0.0400	n•0	3.316-08	1.15E-07	3.07E-07	6.80E-07	1.31E-06
3	1	19	20	2660.19		4031.11	2.4807	0.0458	0.0	0.0	0.0	0.0	0.0	1.10E-08
2	C	42	43	3615.54		4033.43	2.4753	0.0400	0.0	0.0	0.0	0.0	0+0	1.78E-08
2	0	28	29	1554.85		4034.19	2.4788	0.0400	1.57E-08	7.086-08	2.25E-07	5.61E-07	1.17E-06	2.15E-06
. 3 . 2	1	18	19	2787.51		4035.97	2.4777	0.0470	0.0	0.0	0.0	0.0	0.0	1.49E-08
	¢.	27	28	1488.80	_	4039.64	2.4755	0.0400	3.65E-08	1.476-07	4.30E-07	1.00E-06	1.98E-06	3.48E-06
2 . 2.	0	41	42	3452.15		4040.09	2.4752	C . O 4 C C	0.0	0.0	0.0	0.0	0.0	3.82E-08
3	1	17	1 6	2718.44		404C.77	2.4748	0.0482	0 • C	0.0	0.0	0 • C	0.0	1.97E-08
2	c	26	27	1386.36		4045.03	2.4722	C.040C	8.22E-08	2.99F-07	8.C3E-07	1.756-06	3.29E-06	5.51E-06
3	1	16	17	2652.99		4045.51	2.4719	0.0493	0.0	0.0	0.0	0.0	0.0	2.56E-08
2	C	4 C	41_	3292.48		4046.68	2.4712	0.0400	0 • C	C • 0	0.0	0.0	2.09E-08	8.05E-08
3	1	15	16	2591.16	_	4050.18	2.4690	C.0505	C • C	0.0	0.0	0.0	1.15E-08	3.266-08
2	С	25	26	1267.55		4050.36	2.4689	0.0400	1.79E-07	5.88E-07	1.46E-06	3.00E-06	5.34E-06	8.57E-06
2	¢	39	4 C	3136.53		4053.20	2.4672	0.0400	0.0	0.0	0.0	0.0	4.63E-08	1.675-07
3	1	14	15	2532.96		4054.79	2.4662	0.0517	0.0	c.c	0.0	0.0	1.47E-08	4.06E-08
2	C	24	25	1162.36		4055.60	2.4657	0.0400	3.79E-07	1.13E-0€	2.60E-06	5.01E-06	8.49E-06	1.31E-05
3	1	30	31	4027.09		4057.21	2.4647	0.0400	0.0	0.0	0.0	0.0	0.0	5.69E-09
3	1	12	14	2478.38		4059.32	2.4635	0.0528	0.0	0.0	0.0	0.0	1.83E-08	4.95E-08
2	Ç	38	35	2584.30	1	4059.66	2.4633	C.040C	0 • C	0.0	0.0	2.32E-08	1.01E-07	3.38E-07
2	¢	23	24	1100.81		4060.84	2.4625	0.0412	7.77E-07	2.10E-06	4.50E-06	8.19E-06	1.325-05	1.96E-05
3	1	29	30	3909.71		4063.05	2.4612	0.0400	0.0	0.0	0.0	0.0	0.0	9.71E-09
3	1	12	13	2427.44		4663.81	2.4607	0.054C	0.0	0.0	0.0	0.0	2.24E-08	5.90E-08
2	O	22	23	1012.90	2	4065.98	2.4554	0.0423	1.54E-06	3.826-06	7.62E-06	1.31E-05	2.025-05	2.88E-05
2	c	37	38	2835.80	1	4066.06	2.4594	0.0408	0.0	C.C	0.0	5.34E-08	2.14E-07	6.75E-07
3	1	11	12	2360.12	2	4068.23	2.4581	0.0542	0.0	0.0	0.0	0.0	2.66E-08	6.87E-08
3	1	28	29	3796.07		4068.82	2.4577	0.0400	0.0	0.0	0.0	0.0	0.0	1.63E-08
2	0	21	22	928.62	2	4071.06	2.4564	C.0435	2.976-06	6.73E-06	1.26E-05	2.04E-05	3.02E-05	4.15E-05
2	C	3€	37	2691.03		4072.39	2.4556	0.0400	0.0	0.0	2.39E-08	1.20E-07	4.46E-07	1.32E-06
3	1	1 C	11	2336,44	2	4072.59	2.4554	0.0545	0.0	0 . C	0.0	0.0	3.08E-08	7.80E-08
3	1	27	28	3686.17	1	4074.53	2.4543	C.04CC	0.0	0.0	0.0	0.0	0.0	2.68E-08
2	C	5 C	21	E47.99		4076.08	2.4533	0.0447	5.526-06	1.156-05	2.02E-05	3.12E-05	4.42E-05	5.86E-05
5	1	9	1 C	2286.39	-	4076.88	2.4525	0.0547	0.0	0.0	0.0	1.156-08	3.46E-08	8.64E-08
2	£	35	36	2550.01		4078.66	2.4518	0.040C	0.0	0.0	5.75E-08	2.64E-07	9.11E-07	2.54E-06
3	1	26	27	258C.03	1	4080.18	2.4509	0.0400	0 • C	0.0	0.0	0.0	0.0	4.32E-08
2	0	15	50	771.00		4081.04	2.4504	0.C458	9.96E-06	1 • 9 2E-05	3.16E-05	4.65E-05	6.33E-05	8.11E-05
3	1	8	9	2259.98		4081.10	2.4503	0.055C	0 • C	0.0	0.0	1.285-08	3.79E-08	9.30E-08
2	С	34	35	2412.73		4084.86	2.4481	0.0400	0.0	2.21E-08	1.35E-07	5.68E-07	1.82E-06	4.78E-06
3	1	7	8	2227.21		4085.26	2.4478	0.0574	0.0	0.0	0.0	1.38E-08	4.02E-08	9.72E-08
3	1	25	26	3477.63	1	4085.76	2.4475	0.0406	0.0	0.0	0.0	0.0	1.64E-08	6.83E-08

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE

· VŪ	٧L	Ji	JL	LONER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	******
	• •		•	ENERGY		CH-1	MICRON	N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
2	 O		19	697.65	 5 2	4085.93	2.4474	0.0470	1.74E-05	3.116-05	4.82E-05	6.78E-05	8.875-05	1.10E-04
, 2	ī		· ^			4089.36	2.4454	0.0597	0.0	0.0	0.0	1.43E-08	4.12E-08	9.836-08
2	ō					4090.77	2.4445	0.0482	2.94E-05	4.89E-05	7.17E-05	9.64E-05	1.22E-04	1-47E-04
2	ā			2279.20		4091.00	2.4444	0.0400	0.0	5.646-08	3.09E-07	1.19E-06	3.58E-06	8.85E-06
3	1	24	25	3379.00	1	4091.27	2.4442	0.0400	0.0	0.0	0.0	0.0	2.65E-08	1.06E-07
3	1		6			4093.40	2.4430	0.0621	0.0	0.0	0.0	1.43E~08	4.05E-08	9.57E-08
2	0	16	17	561.92	2 2	4095.53	2.4417	0.0493	4.80E-05	7.47E-05	1.04E-04	1.34E-04	1.63E~04	1.91E-04
Э	î		24	3284.13	3 i	4096.71	2.4410	0.0412	0.0	0.0	0.0	0.0	4.20E-08	1.61E-07
2	0	32	, 33	2149.44	1	4097.07	2.4408	0.0400	1.76E-08	1.40E-07	6.91E-07	2.46E-06	6.87E-06	1.61E-05
3	1		5	2150.72	2 2	4097.36	2.4406	0.0645	0.0	0.0	0.0	1.36E-08	3.80E-08	8.90E-08
2	0			459.54	2	4100.24	2.4389	0.0505	7.58E-05	1.11E-04	1.46E-04	1.81E-04	2.14E-04	2.44E-04
3	1			2132.50	2	4101.27	2.4383	0.0676	0.0	0.0	0.0	1.21E-08	3.36E-08	7.80E-08
3	1			3193.03		4102.09	2.4378	0.0423	. 0.0	0.0	0.0	_1.95E~08_	6•[52£+08]	2.40E-07
2	C	3	32	2023.43	3 1	4103.08	2.4372	0.0400	4.81E-08	3.37E-07	1.51E-06	4.94E-06	1.29E-05	2.86E-05
2	0					4104.88	2.4361	0.0517	1 • 1 6E-04	1.59E-04	2•01E-04	2540E-04	2.74E-04	3 <u>.</u> 04E-04
3	ı					4105.11	2.4360	0.0707	0.0	0.0	0.0	0.0	2.73E-08	6.30E-08
3	1					4107.41	2.4346	0.0435	0.0	0.0	0.0	2.15E-08	9.91E-08	3.51E-07
3	1		_			4108.88	2.4338	0.0738	0.0	0.0	0.0	0.0	1.94E-08	4.45E-08
2						4109.02	2.4337	<u>C.0400</u>	1.28F-07	7.89E-07	3.20E-06	9.71E-06	2.38E-05	5.00E-05
_ 2			-	-		4109.46	2.4334	0.0528	1.71E-04	2.22E-04	2.6BE-04	3.09E-04	3.43E-04	3.72E-04
3	1					4112.59	2.4316	0.0769	0.0	0.0	0.0	0.0	1.01E-08	2.31E-08
3	1					4112.65	2.4315	0.0447	0.C	0.0	0.0	3.33E-08	1.47E-07	5.04E-07
2	C					4113.97	2.4307	0.0546	2.43E-04	3.00E-04	3.48E-04	3.87E-04	4.19E-04	4-44E-04
2	C					4114.9C	2.4302	C.0400	3.29E-07	1.802-06	6.63E-06	1.86E-05	4.30E-05	8.58E-05
3	1					4117.83	2.4285	0.0458	0.0	0.0	0 <u>.0</u>	5.05E_08_	2 .146-07	7.07E-07
2	0					4118.42	2.4281	0.0542	3.34E-04	3.92E-04	4.38E-04	4.73E-04	4.99E-04	5.18E-04
3	1		•			4119.81	2.4273	0.0769	0.0	0.0	0.0	0.0	1.04E-08	2.386-08
2	0					4120.71	2.4268	0.0400	8.21E-07	3.99E-06	1.346-05	3.51E-05	7.63E-05	1.456-04
2				242.53		4122.81	2.4255	0.0545	4.42E-04	4.96E-04	5.34E-04	5.61E-04	5.79E-04	5,89E-04
3	1					4122.95	2.4254	0.0470	0.0	0.0	1.33E-08	7.47E-08	3.04E-07	9.72E-07
3	1		_		_	4123.32	2.4252	0.0738	0.0	0.0 8.59E-06	0.0	0.0	2.06E-08 1.32E-04	4.71E-08 2.39E-04
2	G					4126.46	2.4234	0.0400	1.99E-06	0.0	2.65E-05 0.0	6.45E-05 1.09E-08		
3			_			4126.77	2.4232	0.0707 C.0547	0.0 5.63F-04	6.C6E-04	6.32E-04	6.47E-04	2.99E-08 6.53E-04	6.87E-08 6.54E-04
2	0					4127.14	2.4230	0.0482	0.0	0.0	2.01E-08	1.08E-07	4.236-07	1.31E-06
3	1					4127.99	2.4225	0.0676	0.0	0.0	0.0	1.38E-08	3.796-08	8.74E-08
E 2	1					4130.15 4131.39	2.4212	0.0550	6.89E-04	7.14E-04	7.23E-04	7.23E-04	7.16E-04	7.05E-04
2	0					4132.14	2.4201	0.0400	4.64E-06	1.805-05	5.106-05	1.16E-04	2.258-04	3.87E-04
3	1	_		2725.67		4132.97	2.4196	0.0493	0.0	0.0	2.95E-08	1.52E-07	5.74E-07	1.73E-06
3	1					4133.47	2.4193	0.0645	0.0	0.0	0.0	1.595-08	4.42E-08	1.03E-07
2	G					4135.59	2.4180	0.0574	B.08E-04	8.09E-04	7.98E-04	7.81E-04	7 60E-04	7.38E-04
3	1		_			4136.71	2.4174	0.0621	0.0	0.0	0.0	1.73E-08	4 . 85E-06	" 1.13E-07
2	ò		-			4137.75	2.4168	0.0400	1.05E-05	3.67E-05	9.56E-05	2.03F-04	3.74E-04	6.16E-04
3						4137.88	2.4167	0.0505	0.0	0.0	4.22E-08	2.08E-07	7.61E-07	2.236-06
2	ô					4139.72	2.4156	0.0597	9.04E-04	8.79E-04	8-47E-04	8.13E-04	7.80E-04	7.47E-04
3	1					4139.90	2.4155	0.0597	0.0	0.0	0.0	1.79E-08	5.085-08	1.205-07
3	î		-			4142.72	2.4139	0.0517	0.0	0.0	5.87E-08	2.79E-07	9.86E-07	2.81E-06
3	1					4143.01	2.4137	0.0574	0.0	0.0	0.0	1.785-08	5.11E-08	1.22E-07
2	ō					4143.30	2.4135	0.0400	2.31E-05	7.26E-05	1.756-04	3.49E-04	6.08E-04	9.59E-04
2	ō					4143.79	2.4132	0.0621	9.63E-04	9.11E-04	8-60E-04	8.12E-04	7.68E-04	7.28E-04
3	i					4146.06	2.4119	0.0550	0.0	0.0	0.0	1.705-08	4.97E-08	1.20E-07
3	_			2543.08		4147.5C	2.4111	0.0528	0.0	1.17E-08	7-94E-08	3.636-07	1.25E-06	3.46E-06
2						4147.75	2.4109	0.0645	9.66F-04	B.94E-04	8.29F-04	7.72E-04	7.22E-04	6.78E-04
_	Ų	•			· -	747/8/7	204103	200045	5 + 0 0 t - 0 4	9497E-94	31676-04	. 4126-04		00.05-0

	νù	VL	'n,	JL	LCWER State	CODE	WAVE NUMBER	WAVE" LENGTP	PALF WICTP	*****	* INTEGRATE	C ** ABSORI		EFFICIENT *	******
•		•			ENERGY		CM-1	MICRON **	_ N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
								-							
	2	o	23	24	1151.37	1	4148.78	2.4103	0.0412	4.89E-05	1.39E-04	3.11E-04	5-84E-04	9.69E-04	1.475-03
	3	1	10	ģ	2259.98	2	4149.04	2.4102	0.0547	0.0	0.0	0.0	1.58E-08	4.68E-08	1.15E-07
	2	G	3	4	36.76	2	4151.72	2.4086	0.0676	9.C3E-04	8.20F-C4	7.50F-04	6.90E-04	6.39E-04	5.95E-04
	3	1	11	10	2296.39	2	4151.56	2.4085	0.0545	C = C	0.0	0.0	1.42E-08	4.286-08	1.07E-07
	3	1	12	13	2489.86	1	4152.20	2.4084	0.0540	C • C	1.60E-0E	1.C4E-07	4.60E-07	1.54E-06	4 . 1 7E-06
	2	o	22	23	1059.42	1	4154.19	2.4072	0.0423	1.COE-04	2.605-04	5.39F-04	9.55E-04	1.51E-03	2.206-03
	्उ	1	12	11	2336.44	2 .	4154.81	2.4068	0.0542	0.0	0.0	0.0	1.53E-08	3.81E-08	9.66E~08
	2	С	2	3.	22.06	2	4155.6C	2.4064	C.0707	7.68E-04	6.87E-04	€.21E-04	5.66E-04	5.206-04	4.81E-04
	3	1	11	12	2440.32	1	4156.84	2.4057	0.0542	, 0 • 0	8.126-08	1.33E-07	5.68E-07	1.85E-06	4.91E-06
	3	1	13	12	2380.12		4157.59	2.4052	0.0540	0.0	0.0	0.0	1.05F-08	3.30E-08	8.54E-08
	2	0	1	2	11.03	2	4159.4C	2.4042	0.0738	5.63E-04 \	4.98E-C4	4.46E-04	4.04E-04	3.69E-04	3.40E-04
	2	٥	21	22	971.28	1	4159.54	2.4C41	0.0435	1.99E-04	4.72F-C4	9.11E-C4	1.52E-03	2.30E-03	3.22E-03
	3	1	14	13	2427.44	2	4160.31	2.4037	0.0528	0.0	0.0	0.0	0.0	2.795-08	7.376-08
	2	1	15	14.	2394.64 2478.38	1 2	4161.41 4162.95	2.4030 2.4021	0.0545 0.0517	0.0 0.0	2.72E-08 0.0	1.64E-07 0.0	6.80E-07 0.0	2.16E-06 2.30E-08	5.63E-06 6.22E-08
	2	å	C	1	3.68	2	4163.14	2.4020	0.0769	3.01E-04	2.64E-C4	2.35E-04	2.12E-04	1.93E-04	1.77E-04
	2	٥	20	21	££6.95	1	4164.83	2.4011	0.0447	3.82E-04	8.31E-04	1.50E-03	2.38E-03	3.44E-03	4.63E-03
	3	1	16	15	2532.96	2	4165.53	2.4007	0.0505	0.0	0.0	0.0	0.0	1.86E-08	5.14E-08
	3	ī	9	10	2352.76	ī	4165.92	2.4004	0.0547	0.0	3.356-06	1.95E-07	7.91E-07	2.46E-06	6.29E-06
	3	· i	17	16	2591.16	2	4168.05	2.3992	0.0493	0.0	0.0	0.0	0.0	1.46E-08	4.155-08
:	2	G	15	20	806.42	1	4170.04	2.3981	0.0458	7.10F-04	1.426-03	2.400-03	3.62E-03	5.01E-03	6.53E-03
	3	1	8	g	2314.69	1	4170.35	2.3979	C.055C	0.0	3.99E-08	2.25E-07	8.905-07	2.725-06	6.82E~06
	2	o	1	0	-0.0	2	4170.43	2.3978	C.0769	3.13E-04	2.74E-C4	2.43E-04	2.19E-04	1.99E-04	1.82E-04
	3	1	18	17	2652.99	2	4170.49	2.3978	0.0482	0 • C	0.0	0.0	0.0	1.136-08	3.29E-08
	3	1	19	18	2718.44	2	4172.87	2.3964	0.0470	0.0	0.0	0.0	0.0	0.0	2.55E-08
	2	C	Z	L	3.68	2	4173.98	2.3958	0.0738	6.12E-04	5.37F-04	4.78E-04	4.31F-04	3.926-04	3.60F-04
	3	1	7	8	4280.41	1	4174.71	2.3954	0.0574	0.0	4.56F-08	2.51E-07	9.69E-07	2.90E-06	7.18E-06
	3	1	2 C	19	2787.51	2	4175.18	2.3951	0.0458	0.0	0.0	0.0	0.0	0.0	1.94E-08
	2	C	18	19	729.71	1	4175.19	2.3951	0.0470	1.27E-03	2.36E-03	3.75E-03	5.37E-03	7.15E-03	9.01E-03
	3	1	21	2 C	286C.19	2	4177.42	3.3938	0.0447	0 • C	0.0	0.0	0.0	0.0	1.44E-08
	2	C	3	2	11.03	2	4177.45	2.3938	0.0707	8.70E-04	7.69E-04	6.89E-04	6.24E-04	5.70E-04	5.25F-04
	3	1	6	7	2249.94	1	4179.01	2.3929	0.0597	0 • C	4.99E-08	2.68E-07	1.01E-06	2.99E-06	7.31E-06
	3 2	1	22 17	21 18	2936.50	2	4179.59	2.3926	0.0435	0.0	0.0	0.0	0.0	0.0	1.05E-08
	2	o c	4	3	656.82	1 2	4180.27	2.3522	0.0482	2.215-03	3.79E-C3	5.69E-03	7.79E-03	9.976-03	1.22E-02
	3	1	23	22	22.06 3016.41	2	4180.87 4181.70	2.3518 2.3914	0.0676 0.0423	1.07E-03	9.53E-04 0.0	8.61E-04 0.0	7.85E-04 0.0	7.22E-04 0.0	6.68E-04 7.56E-09
	3	i	5	ě	2223.28	1	4183.24	2.3905	0.0621	C.O	5.21F-08	2.736-07	1.026-06	2.96E-06	7.15E-06
	2	Ċ	5	4	36.76		4184.22	2.3899	0.0645	1.19E-07	1.086-03	9.86E-04	9.0EF-04	8.41E-04	7.83E-04
	2	č	16	17	587.75	1	4185.28	2.3693	C.0493	3.70E-03	5.91F-02	8.40E-03	1.10E-02	1.36E-02	1.61E-02
	3	i	4	5	2200.42	1	4187.40	2.3881	0.0645	0.0	5.14E-08	2.65E-07	9.73E-07	2.805-06	6.68E-06
	2	a	6	5	55.14		4187.50	2.3881	0.0621	1.23F-03	1.14F-03	1.06E-03	9.86E-04	9.22E-04	8.65E-04
	2	C	15	16	522.50	1	4190.23	2.3865	0.0505	5.99F-03	8.95E-03	1.21E-02	1.52E-02	1.81E-02	2.08E-02
	2	0	7	6	77.19	2	4190.71	2.3862	0.0597	1.21E-03	1.148-03	1.086-03	1.02E-03	9.65E-04	9.14E-04
	3	1	3	4	2181.37	1	4191.48	2.3858	0.0676	0.0	4.74E-08	2.415-07	8.73E-07	2.48F-06	5.89E-06
	2	C	e	7	102.91	2	4193.86	2.3844	C.0574	1.12E~03	1.09F-03	1.05E-03	1.01E-03	9.70E-04	9.29E-04
	2	0	14	15	461.08	1	4195.11	2.3837	0.0517	9.35F-03	1.31E-02	1.68E-02	S.03E-05	2.35E-02	5 • 63E-05
	3	1	2	3	2166.13		4195.5C	2.3835	C.0707	0.0	3.98F-08	2.00E-07	7.18F-07	2.03E-06	4.77E-06
	2	0	9	8	132.31	2	4196.94	2.3827	C.055C	1.00E-03	1.00E-03	9.88E-C4	9.67E-04	9.41F-04	9-13E-04
	3	1	1	2	2154.70	1	4199.45	2.3813	0.0738	0.0	2.90E-CE	1.44E-07	5.14E-07	1.44E-06	3.38E-06
	2	¢	13	14	403.48		4199.92	2.3810	0.0528	1.41E-02	1.868-02	2.28E-02	S-66E-05	2.98E-02	3-26E-02
	2	0	10	9	165.38		4199.96	2.3810	0.0547	8.52E-04	8.82E-04	8.946-04	8.93E-04	8.85F-04	8.71E-04
	2	0	11	10	202.12		4202.91	2.3793	0.0545	6.97E-04	7.49E-04	7.82E-04	8.00E-04	8.08E-04	8.09E-04
	z	1	С	1	2147.08	1	4203.33	2.3791	C.C769	0.0	1.54E-08	7.60E-08	2.70E-07	7.53E-07	1.76E-06

	VU	٧L	JU	JĽ.	LCWER STATE	CODE	WAVE Number	WĀVĒ	HALF WICTH	******	** INTEGRATI	ED ** ABSOR!		EPFICIENT *	****
					ENERGY		C N-1	MICREN	N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
								•							
	2	c	12	13	349.72	1	4204.66	2.3763	C.C540	2.C4E-C2	2.56E-C2	3.01E-02	3.38E-02	3.69E-02	3•,93E-02
	2	С	12	11	242.53	2	4205.79	2.3777	0.0542	5.49E-04	6.15E-C4	6.63E-04	6.96E-04	7.18E-04	7.31E-04
	2	0	13	12	286.60	2	4208.60	2.3761	0.054C	4.16E-04	4.88E-04	5.45E-04	5.89E-04	6.21E-04	6.45E-04
	2	O	11	12	299.78	1	4209.33	2.3757	0.0542	2.86E-02	3.40E-02	3.84E-02	4.18E-02	4.44E-02	4.64E-02
	3	1	1	,C	2143.27	1	4210.68	2.3748	0.0769	0.0	1.60E-08	7.87E-08	2.79E-07	7.776-07	1.81E-06
	2	C	14	13	334.34	2	4211.35	2.3745	0.0528	3.C4E-04	3.75E-04	4.35E-04	4.85E-04	5.24E-04	5.56E-04
	2	0	10	11	253.68	1	4213.94	2.3731	0.0545	3.85E-02	4.36E-02	4.755-02	5.03E-02	5.21E-02	5•33E-02
	2	0	15	14	365.75	2 '	4214.03	2.3730	0.0517	2.15E-C4	2.79E-04	3.38E-04	3.89E-04	4.32E-04	4.68E-04
	3	1	2	1	2147.08	1	4214.55	2.3727	C.0738	0.0	3.136-08	1.556-07	5.49E-07	1.53E-06	3.58E-06
	2	O	16	15	440.81	2	4216.64	2.3716	0.0505	1.475-04	2.02E-04	2.55E-04	3.04F-04	3.47E-04	3.86E-04
	3	1	3	2	2154.70	1	4218.15	2.3707	C.0707	0.0	4.47E-08	2.22E-07	7.93E-07	2.22F-06	5.21E-06
	2	0	9	10	211.42	1	4218.48	2.3705	0.0547	4.98E-02	5.41E-C2	5.68E-02	5.85E-02	5.94E-02	5.96E-02
	2	O	17	16	499.54	2	4219.19	2.3701	0.0493	9.67F-05	1 - 4 1E-0 4	1.87E-04	2.31E-04	2.73E-04	3.11E-04
	2	G	18	17	561.92	2	4221.67	2.3687	C.0482	6.17E-05	9.60E-05	1.34E-04	1.72E-04	2.10E~04	2.46E-04
	3	1	4	3	2166.13	1	4221.68	2.3687	0.0676	C+0	5.53E-08	2.77E-C7	9.96E-07	2.81E-06	6.62E-06
	2	0	е	9	172.99	1	4222.94	2.3680	0.0550	6.18E-02	6.45E-C2	6.57E-02	6.60E-02	6.56E-02	6.48E-02
	2	0	15	18	€27.96	2	4224.07	2.3674	0.0470	3.816-05	6.346-05	9.30E-05	1.25E-04	1.58E-04	1.90E-04
	3	1	5	4	2181.37	1	4225.14	2.3668	0.0645	0.0	6.23E-08	3.16E-07	1.15E-06	3.26E-06	7.74E-06
	. 2 _	G.	ac_	19	697.65	. 2	4226.42	2.3661	0.0458	2.275-05	4.07E-05	6.30E-05	8.86E-05	1.16E-04	1.44E-04
j =4	`z ¨	C.	7		138.40	" ı '	4227.35	~2.3655	0.GE74	7.336-02	7.38E-C2	7.32E-02	7.20F-02	7.03E-02	6.84E-02
15	3	1	6	5	2200.42	1	4228.53	2.3649	0.0621	0.0	6.56E-08	3.38E-07	1.24E-06	3.57E-06	8.53E-06
	2	0	21	20	77 t • 0 0	2	4228.69	2.3648	0.0447	1.31E-05	2.53E-05	4.17E-05	6.13E-05	8.346-05	1.07E-04
	2	0	22	21	847.99	2	4230.89	2.3636	0.0425	7.34E-06	1.53E-05	2•.68E~05	4.15E-05	5.87E-05	7.79E-05
	2	¢	6	7	107.65	1	4231.68	2.3631	0.0557	8.30E~02	8.10E-02	7.84F-02	7.55E-02	7.26E-02	6.97E-02
	3	1	7	6	2223.28	1	4231.85	2.3630	C.0597	0.0	6.53E-08	3.43E-07	1.285-06	3.72E~06	8.97E-06
	2	G	23	22	928.62	2	4233.03	2.3624	0.0423	3.98E-06	9.03E-06	1.68E-05	2.748-05	4.05E-05	5.56E-05
	3	1	8	7	2249.94	1	4235.09	2.3612	0.0574	0.0	6.20E-08	3.33E-07	1.26E-06	3.72E-06	9.08E-06
	2	0	24	23	1012.90	2	4235.10	2.3612	0.0412	2.09F-06	5.16E-06	20-3E0.1	1.77E-05	2.73E-05	3.895-05
	2	0	5	6	80.74	1	4235.94	2.3608	0.0621	8.92E-02	8.47E-02	8.02E-02	7.595-02	7.20E-02	6.83E-02
	2	C	25	24	1100.81	2	4237.10	2.3601	0.0400	1.06E-06	2.87E-06	6.15E-06	t • 12E-05	1.816-05	2.685-05
	3	1	9	Ē	2260.41	1	4238.27	2.3595	0.0550	0.0	5.64E-08	3.10E-07	1.20E-06	3.59E-06	8.886-06
	2	C	26	25	1192.36	2	E0.9E54	2.3590	C.0400	5.23F-07	1.56F-06	3.58E-06	6.90E-06	1.17E-05	1.80E-05
	2	0	4	5	57.67	1	4240.13	. 2.3584	0.0645	9.03E-02	8.37E-02	7.78E-02	7.26E-02	6.80E-02	6.39E-02
	2	0	27	26	1287.55	2	4240.89	2.3580	C-0400	2.50E-07	8.19E-07	2.03E-06	4.17E-06	7.43E-06	1.196-05
	3	1	10	9	2314.69	1	4241.37	2.3577	0.0547	0.0	4.93E-08	2.78E-07	1 • 10E-06	3.35E-06	8.42E-06
	2	C	√28	27	1386.36	2	4242.68	2.3570	0.0400	1.15E-07	4 • 19E → 07	1.13E-06	2.46E-06	4.62E-06	7.74E-06
	2	G	3	4	38.45	1	4244.26	2.3561	0.0676	8.50E-02	7.73E-02	7.08E-02	6.52E-02	6.04E-02	5.63E-02
	3	1	11	10	2352.76	1	4244.40	2.3560	0.0545	0.0	4.14E-08	2.41E-07	9.775-07	3.04E-06	7.76E~06
	2	C	29	26	1488.80	2	4244.40	2.3560	0.0400	5.18E-08	2.09E-07	6.10E-07	1.42E-06	2.81E-06	4.93E-06
	2	0	30	29	1594.85	2	4246.06	2.3551	C+0400	2.25E-08	1.01E-07	3.22E-07	8.C3E-07	1.68E-06	3.08E-06
	3	1	12	11	2354.64	1	4247.36	2.3544	0.0542	0.0	3.36E-08	2.03E-07	8.42E-07	2.68E-06	6.97E-06
	2	0	31	30	1704.53	2	4247.64	2.3542	0.0400	0.0	4.79E-08	1.66E-07	4 • 4 4E-07	9.85E-07	1.90E-06
	.2	0	2	3	23.07	1	4248.31	2.3539	0.0707	7.27E-02	6.50E-02	5.88E-02	5.37E-02	4.94E-02	4.57E-02
		G	32	31	1617.82		4249.16	2.3534	0.0400	0.0	2.21E-C8	8.37E-08	2.41E-07	5.66E-07	1.15E-06
	3	1	12	12	2440.32		4250-25	2.3528	0.0540	0.0	2.64E-C8	1.656-07		2.30E-06	6-10E-06
	2	Ö	33 34	32 33	1934.72	2	4250.60 4251.98	2.3526 2.3518	C.0400 O.0400	0.0	0.0	4.12E-08 1.98E-08	1.285-07	3.19E-07 1.76E-07	6.79E-07 3.96E-07
	2	0	34 1	23	11.54	1	4251.9e	2.3518	C.0738	5.35E-02	4.73E-02	4.24E-02	6.62E-08 3.84E-02	3.51E-02	3.96E-07
	3	1	14	13	2489.80	1	4253.07	2.3517	6.0528	0.0	2.00E-08	1.30E-07	5.75E-07	1.925-06	5.21E-06
-	2	-6	35	34	2179.32	2	4253.26	2.3511	0.0400	0.0	0.0		3.36E-08	9.54E-08	2.26E-07
	2	ā	36	35	2307.02	2	4254.52	2.3504	0.0400	0.0	0.0	0.0	1.67E-08	5.07E-08	1.27E-07
•	2	Ö	37	36	2438.31	2	4255.68	2.3498	0.0400	0.0	0.0	0.0	0.0	2.64E-08	7.00E-08
	3	ì		14	2543.08		4255.81	2.3497	0.0517	0.0	1.47E-08	9.98E-08	4.56F-07	1.57E-06	4.35E-06
	-	-				-									

	νυ	VL	JL	JŁ	LCWER STATE	CODE	WAVE	WAVE LENCTH	PALF WIDTH	*******	** INTÉGRÂTE	D ** ABSORF		FFICIÊNT *	*****
		•			ENERĠY		CM-1	MICRON	N2	T = 175	T = 200	T = 225	"T"= 250 "	T = 275	00E = T
														**** * * *	
	2	c	0	1	3.85	1	4256.21	2.3455	0.0769	2.87E-02	2.51E-02	2.24E-02	2.02E-02	·1.84E-02	1.69E-02
	2	C	3 E	37	2573.18	2	4256.77	2.3492	0.0460	0.0	0.0	ā•ő	0.0	1.35E-08	3.79E-08
	2	0	38	38	2711.64	2	4257.8C	2.3486	C.0400	0.0	0.0	0.0	0.0	0.0	2.02E-08
	3	1	16	15	2600.15	1	4250.48	2.3483	0.0505	0.6	1.05E-08	7.43E-08	3.52E-07	1.25E-06	3.55E-06
	2	C	4 C	39	2857.67	2	4258.75	2.3461	0.0400	0.0	0.0	0.0	0.0	0.0	1.05E-08
	2	C	41	40	2999.27	2	4259.63	2.3476	0.0408	0.0	0.0	0.0	0.0	0.0	5.41E-09
	3	1	, 17 18	1€ 17	2661.01	1	4261.08	2.3468	0.0493	_0.0	0.0	5.38E-08	2.65E-07	9.70E-07	2.83E-06
	2	0	1 2	17	2725.67 -0.0	1 1	4263.61	2.3454	0.0482	0.0	0.0	3.79E-08	1.95E-07	7.36E-07	2.21E-06
	3	1	19	18	2794.11	1	4263.83 4266.07	2.3453 2.3441	0.0769 0.047C	2.99E-02 0.0	2.61E-02 0.0	2.32E-02 2.60E-08	2.09E-02 1.39E-07	1.90E-02 5.46E-07	1.74E-02 1.69E-06
	2	ċ	2	1	3.85	1	4267.54	2.3433	3670.0	5.83E-02	5.12E-C2	4.56E-02	4-116-02	3.74E-02	3.43E-02
	3	ī	20	19	2866.33	ī	,4268.45	2.3428	0.0458	0.0	0.0	1.73E-C8	9.74E-08	3.96E-07	1.27E-06
	3	ī	21	20	2942.34	ī	4270.76	2.3415	0.0447	0.0	0.0	1.126-08	6.64E-08	2.81E-07	9.29E-07
	2	Ö	3	2	11.54	ī	4271.17	~2•3413	C.0707	8.27E-02	7.31E-02	6.55E-02	5.93E-02	5.42E-02	4.99E-02
	3	1	22	21	3022.13	1	4272.99	2.3403	C.0435	0.0	0.0	0.0	4.42E-08	1.95E-07	6.67E-07
	2	0	4	3	23.07	1	4274.74	2.3393	0.0676	1.01E-01	9.03E-02	8-17E-02	7.45E-02	6.85E-02	6.34E-02
	3	1	23	22	3105.69	1	4275.16	2.3391	0.0423	0.0	0.0	0.0	2.87E-08	1.325-07	4.70E-07
	3	1	24	23	3193.03	1	4277.24	2.3380	0.0412	0.0	0.0		1.82E-08	8.80E-08	3.24E-07
	2_	ຼເ	੍ 5	4.	38.45	1	4278.22	2.3374	0.0645	1.12E-01	1.02E-01	9.31E-02	8.585-02	7.95E-02	7.41E-02
16	3	1	25	24	2284.13	1	4279.26	2.3369	0.0400	0.0	0.0	0.0	1.135-08	5.72E-08	2.19E-07
တ	3	1	2€	25	3379.00	1	4281.20	2.3358	0.0400	0.0	0.0	0.0	0.0	3.64€-08	1.46E-07
	2	0	E	. 5	57.67	1	4281.65	2.3355	C.0621	1.15E-01	1.07E-01	9.94E-02	9.28E-02	8.68E-02	8.16E-02
	3	1	27	26	3477.63	1	4283.07	3455.2	0.0400	0.0	0.0	0.0	0.0	2.27E-08	9.47E-08
	3	1	28	27	3580.03	1	4284.86	2.3338	0.0400	0.0	0.0	0.0	0.0	1.38E-08	6+04E-08
	2	C	7	· 6	80.74	1	4285.00	2.3337	0.0597	1.12E-01	1.06E-01	1.C1E-01	9.54E-02	9.C4E-02	9.50E-02
	3 E	1	29 30	2'E'''	3666.17	1	4286.58	2.3329	0.0400	0.0	0.0	0.0	0.0	0.0	3.78E-08
	2	0	30 E	29 7	3796.07 107.65	1	4288.23	2.3320	0.0400	0.0	0.0	0.0 "9.75E-02"	0.0 9.39E-02	0.0	2.32E-08
	3	1	31	30	3909.71	1	4288.28 4285.80	2.3319 2.3311	0.0574 0.0400	1.03E-01	0.01E-01			9.03E-02	8.67E-02
	3	i	32	31	4027.09	1	4291.30	2.3303	0.0400	0.0	0.0	0.0	_ <u>0 • 0</u>	-0.0	1.40E-08 8.29E-09
	2	Ĉ	Š	8	138.40	ī	4291.49	2.3302	0.0550	9.C8E-02	9.14E-02	9.07E-02	8.91E-02	8.70E-02	8.47E-02
	5	č	10	٠,	172.99	i	4294.63	2.3285	0.0547	7.64E-02	7.97E-C2	8.13E-02	8.16E-02	8.12E-02	8.026-02
	2	Č	11	10	211.42	1	4297.70	2.3268	C+0545	6.16E-02	6.69E-02	7.03E-02	7.24E-02	7.35E-02	7.38E-02
	2	ō	12	11	253,68	1	4300.69	2.3252	0.0542	4.78E-02	5.42E-02	5.89E-02	6 23E-02	6-46E-02	6.61E-02
	2	C	13	12	259.78	1	4303.62	2.3236	0.0540	3.56E-02	4-24E-02	4.78E-02	5 • 2 1E-02	5.53E-02	5.78E-02
	2	0	14	13	349.72	1	4306.47	2.3221	0.0528	2.56E-02	3.21E-C2	3.76E-02	4.23E-02	4.62E-02	4.93E-02
	2	C	15	14	403.48	1	4309.25	2.3206	0.0517	1.77E-02	2.35E-02	2.88E-02	3.35E-02	3.76E-02	4.10E-02
	2	C	16	15	461.08	1	4311.95	2.3191	0.0505	1.19E-02	1.66E-02	2.14E-02	2.58E-02	2.98E-02	3.34E-02
	2	0	17	16	522.50	1	4314.59	2.3177	0.0493	7.65E-03	1.14E-02	1.54E-02	1.94E-02	2.31E-02	2.66E-02
	2	0	18	17	587.75	1	4317.15	2.3163	0.0482	4.76E-03	7.61E-03	1.00E-02	1.42E-02	1.75E-02	2.07E-02
	2	0	19	18_	656.82	.1	4319.64	2.3150	0.0470	2.86E-03	4-92E-03	7.38E-03	1.01E-02	1.29E-02	1.586-02
	2	0	20	19	729.71	1	4322.06	2.3137	0.0458	1.67E-03	3.08E-03	4.90E-03	7.03E-03	9.35E-03	1.18E-02
	- <u>2</u> -	٥.	21	20	806.42	1	4324.4C	2.3125	0.0447	9.36E-04	1.87E-03	3.17E-03	4.77E-03	6.61E-03	8.61E-03
		C	22	21	666.95	1	4326-67	2.3112	0.0435	5.09E-04	1.11E-03	2.00E-03	3 • 1 6E-03	4.57E-03	6.16E-03
	2	0	23 24	22	971.28	1	4328.87	2.3101	0.0423	2.67E-04	6.34E-04	1.22E-03	2.05E-03	3.09E-03	4.32E-03
	2	G	25	23	1059.42 1151.37	1	4330.99	2.3689	0.0412	1.36E-04	3.53E-04	7.30E-04	1.29E-03	2.04E-03	2.97E-03
	2	٥	26	- 25	1247.11	1	4335.04	2.3078	0.0400	6.68E-05	1.91E-04	4.25E-04	7.98E-04	1.32E-03	2.00E-03
	2	Č	27	26	1246.66	1	4335.02	2.3058	0.0400	3.18E-05	1.00E-04	2.41E-04	4.81E-04	8.39E-04	1.326-03
	2-	č	28	. 27	1449.99	1 -	4338.75	2.3048	0.0400	1.46E-05 6.53E-06	5.11E-05 2.53E-05	1.33E-04 7.17E-05	2.83E-04 1.63E-04	5.20E-04 3.16E-04	8.57E-04 5.45E-04
	2	č	29	28	1557.12	î	4340.50	2.3039	0.0400	2.82E-06	1.22E-05	3.76E-05	9-15E-05	1.88E-04	3.39E-04
	2			29	1668.03	·	4342.18	2.3030	0.0400	1.185-06	5.71F-06	1.92E-05	5.03E-05	1.09E-04	2.07E-04
	2	ō	31	30	1782.72		4343.79	2.3021	0.0400	4.77E-07	2.61E-06	9.62E-06	2.71E-05	6.24E-05	1.24E-04
												2,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

٧U	٧L	JU	JL	LCWER State	CODE	WAVE	WAVE LENCTH	HALF.	*****	** ÎNTEGRAT	ED ** ABSCRI		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200		4		
				4		Ç.,. I	MICHEN	N.G.	1 - 115	T = 200	T = 225	T = 250	T = 275	T = 300
											•	•		
2	c	32	31	1901.19	_	4345.32	2.3013	0.0400	1.875-07	1.16E-06	4.69E-06	1.42E-05	3.49E-05	7.336-05
2	0	33	32	2023.43	1	4346.77	2.3006	0.0400	7.13F-08	4.98E-07	2.23E-06	7.31E-06	1.91E-05	4.24E-05
2	C	34	33	2149.44	1	4348.15	2.2998	0.0400	2.62E-08	2.09E-07	1.03F-06	3.67E-06	1.03E-05	2.40E-05
2	C	35	34	2279.20	1	4349.46	2.2991	0.0400	0.0	8.51E-08	4.67E-07	1.80E-06	5.40E-06	1.34E-05
2	G	3€	35	2412.73	1	4350.69	2.2985	0.0400	0.0	3.37E-08	2.06E-07	8.67E-07	2.78E-06	7.30E-06
2	0	37	36	2550.01	1	4351.85	2.2979	0.0400	0.0	1.30E-08	8.87E-08	4.07E-07	1.40E-06	4 -t
2	G	35	37	2691.03	1	4352.93	2.2573	C.04CC	0.0	0.0	3.72E-08	1.87E-07	6.94E-07	3.91E-06
2	0	35	38	2635.80	1	4353.93	2.2968	C.0400	0.0	0.0	1.52E-08			5-00E-06
2	С	4 C	39	2984.30		4354.86	2.2963	C.0400	0.0	0.0		8.4CE-08	3.36E-07	1.06E-06
2	0	4 I	40	3136.53		4355.71	2.2558	C.0400			0.0	3.69E-08	1.60E-07	5.376-07
, 2	Q	42	41	3292.48		4356.49	2.2554	C.C4C0	0.0	0.0	0.0	1.59E-08	7.43E-08	2.67E-07
. 2	ã	43	42	2452.15	•	4357.19			0.0	0.0	0.0	0.0	3.39E-08	1.30E-07
2	G	44	43	3615.54	•		2.2951	C.0400	0.0	0.0	0.0	0.0	1.516-08	6.25E-08
2	a					4357.81	2.2947	0.040C	0.0	0.0	.o.a	0.0	0.0	2.94E-08
_	_	45	44	3782.62	1	4358.36	2.2944	0.0400	0.0	0.0	0.0	0.0	0.0	1.36E-08
2	0	46	45	3953.41	1	4356.83	2.2942	0.0400	0.0	0.0	0.0	0.0	0.0	6-16E-09

Table 3—Second overtone band of CO, $T=175-300\,^{\circ}K$. The total number of lines included is 274. For temperatures less than 300 $^{\circ}K$, the line intensities were set equal to zero for intensities less than approximately 1×10^{-10} . The line intensities correspond to an absorption coefficient per unit length per unit pressure at NTP conditions.

VU	VL	JÜ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF	******	** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT #	******
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 307 ·
3.		38	39	2853.67	2	5997.53	1.6674	0.0400	0.0	0.0	0.0	0.0	0.0	3.08E-11
3	0	37	38	2711.64	2	6004.84	1.6653	0.0400	0.0	0.0	0.0	"_o	0.0	5.972-11
3_	0_	36	_37_	2573.18	<u>, s</u> ,	6,012.05	1.6633	0.0400	0.0	0.0	0.0	0.0	0.0	1.14F-10
3	0	35	36	2438.31		6019+17	1.6614	0.0400	0.0	0.0	0.0	0.0	0.0	2.13F-10
3	0	34	35	2307.02		6026.20	1 • 6594	0.0400	_0+0	0.0	0.0	0.0	1.578-10	3.925-10
3	0	33	34	2179.32		6033.13	1.6575	0.0400	0.0	0.0	9.0	1.05E-10	2.995-10	7.085-10
4	1	20	21	2936.50	2	6039+61	1.6557	0.0447	0 • 0	0.0	0.0	0.0	0.0	5.52E-11
3	0	32	33	2055.22		6039.97	1 • 6556	0.0400	0.0	0.0	0.0	2 • 10E-10	5.60F-17	1.265-09
4	1,	19	So	2860-19		6045.19	1.6542	_ 0.0458	.0.0	0.0	0.0	2.0	_0•0	7 • 65E-11
3	0	31	32	1934.72		6046.72	1.6538	0.0400	0.0	0.0	1.335-10	4.11E-10	1.03E-09	2.19E-09
4	1	18	19	2787.51	2	6050.67	1.6527	0.0470	0 • 0	2.0	0 • 0	0.0	0+0	.1 • 04E-10
3	0	30	31	1817.82		6053.37	1.6520	0.0400	0.0	0.0	2.74E-10	7.87E-10	1.85F~09	3.74F-09
4	1	17	18	2718.44		6056.06	1.6512	0.0482	0.0	0.0	0.0	0.0	0.0	1.39=-10
3	0	29	30	1704.53		6059.93	1.6502	0.0400	0.0	1.59E-10	5.51E-10	1.475-19	3.26E-19	6.295-09
4	1	16	17	2652.99		6061.35	1.6498	0.0493	0 • 0	0.0	0 • 0	n•0	1.0	1.815-10
3	0	88	29	1594.85		6066.39	1.6484	0.0400	0.0	3.42E-10	1.095-09	2.71 E-09	5.67E-19	1.045-08
4	1	15	16	2591.16	2	6066.54	1.6484	0.0505	0 • 0	0.0	0.0	2 • 0	0+0	2.32F-10
4	1	14	15	2532.96		6071.64	1.6470	0.0517	9.0	0.0	0.0) • j	1.05E~10	2.91E-10
3	0	27	88	1488.80		5072.76	1.6467	0.0400	1.77E-10	7.16E-10	2.005-00	4.87E-09	9.64=-79	1.695-08
4	1	13	14	2478.38		6076.64	1.6456	0.0528	0.0	2.0	0.0	0.0	1.325-10	3.56F-1^
3	ō	26	27	1386.35	2	6079.03	1.6450	0.0400	4.02E-10	1.468-09	3 • 9 3E - 0 9	8.57E-09	1.615-08	2.70E-08
4	ī	12	13	2427.44		6081.55	1.6443	0.0540	0.0	0.0	9.0	3.0	1.61E-10	4.25F-1N
3	0	43	44	3782.62		6083.97	1.6437	0.0400	0+0	0.0	0.0	0.0	0.0	3+68E-11
3	0	25	26	1287.55		5085.22	1.6433	0.0400	8 # B3E = 10	2.90E-09	7.205-09	1.475-08	2.63F-38	4.225-05
4	1	11	12	2380.12		6086.36	1.6430	0.0542	0.0	0.0	0.0	0.0	1.93E-10	4.98E-10
4	1	10	11	2336.44		6091.08	1.6417	0.0545	0.0	0.0	0.0	0.0	2.245-10	5.695-10
3	0	24	25	1192.36		6091.30	1.6417	0.0400	1.88E-09	5.59E-09	1.29E-08	5.48E-08	4.20F-18	5.485-08
3	0	42	43	3615.54		6092.19	1.6414	0.0400	0.0	2.0	0.0	0.0	0.0	9.095-11
4	1	9	10	2296.39		6095.69	1.6405	0.0547	0.0	0.0	0.0	0.0	2.54E-13	5.33E-10
3	0	23	24	1100.81	2	6097.29	1.6401	0.0412	3+875-09	1.05F-08	2.24E-08	4.085-08	6.50E-18	9.765-08
4	1	8	9	2259.98		6100.21	1+6393	0.0550	0 • 0	0.0	0.0	3.43	2.795-10	6.85E-10
3	0	41	42	3452.15		6100.31	1.6393	0.0499	2.0	D•0	0.0	0.0	0.0	1.755-10
3	0	22	23	1012.90		6103.19	1.6385	0.0423	7.73E-09	1.916-08	3.81E-08	6.565-78	1.015-27	1.445-07
4	1	7	8	2227.21	2	6104.64	1.6381	0.0574	0.0	0.0	0.0	1.02E-10	2.975-10	7.195-10
4	1	30 40	31 41	4027.09		6104.94	1.6380	0.0400	0.0	2+0	0.0	2.0	0.0	3.735-11
3	1		7	3292.48		6108.34	1.6371	0.0400	0.0	n • n	0.0	2+2	^.0	3.70F-10
3	0	6 21	22	2198.07		6108.96	1.6369	0.0597	9.9	0.0	0.0	1.07E-10	3.065-10	7-30E-10
4	1	29	30	928.62 3909.71		5108.99	1.6369	0.0435	1.49E-08	3.395-08	6.32E-08	1.03E-07	1.52E-07	2.09E-07
4	i	5	6	2172.57	1 2	5111.84	1.6362	0.0400	0.0	0.0	0.0	2.0	0 • 0	6.38=-11
3	0	20	21	847.99		6113.19 6114.70	1.6358 1.6354	0.0621	0.0	0.0	9.9	1.076-10	3+02E-10	7-14E-10
3	Ö	39	40	3136.53		6116.26		0.0447	2.80E-18	5.84E-08	1.02E-07	1.585-07	2.24F-07	2.97F-07
4	1	4	5				1.6350	0.0400	0.0	2.0	9.9	5+0	2.14F-17	7,685~10
4	1	28	29	2150.72 3796.07		6117.33 6118.63	1.6347 1.6344	9±9645	0.0	0.0	0.0	1.025-10	2.855-10	6.675-10
3	0	19	20	771.00				0.0400	0.0	0.705-00	0.0	0.0	0.0	1.085-10
4	1	19	4	2132.50		5120.31 6121.36	1 • 6 3 3 9 1 • 6 3 3 6	0.0458	5.075-08	9.79E-08	1.61E-07	2.37E-07	3.22F-17	4 . 1 35 - 07
3		38	39					0.0676	0.0	2.0	0.0	0.0	2.53E-10	5.875-10
3 4	1	26 2	39	2984.30		6124.09	1.6329	0.0400	9+9	0.0	0.0	1.08E-10	4 - 66F-17	1.575-00
4	1	27	28	2117.93 3686.17		6125.30 6125.32	1.6326	0.0707	0.0	7.0	η • α α	2.0	2.07E-10	4.77E-10
3		18	19	697.65		6125.83	1.6326 1.6324	0.0400 0.0470	0.0 8.90E-08	0.0	1.0	7.0	0.0	1.785-10
4	ī	10	19	2107.00		6129 14	1.6316	0.0470	0.0	1.59E-97 0.0	2.47E-07	3-475-07	4.545-07	5.645-07
3	ò	17	18	627.96		6131.25	1.6310				0.0	^ • n	1 • 4 7 F - 1 C	3.38E-10
3	0	37	38					2.0482	1.51E-07	2.52F-97	3.775-07	4.97F-07	6.265-07	7.551-07
3	v	31	38	2835.80	¥	6131.81	1.6308	0.0400	0.1	5.0	0.0	2.485-10	9.955-17	3.14F-19

VU VL	JU JL	LOWER STATE	CODE	WAVE	WAVĒ LENGTH	HALF WIDTH	******	** INTEGRATE	ED ** ABŠOŘ CM-2*		EFFICTENT	*****
		ENERGY		CM-1 `	MICRON	N2	T = 175	T = 200	T = 225	T = 250	τ ≈ 275	" τ = "306"
	26 27	3580.03	1	6131.90	1.6700	0.0400	0.0	2.0	9.0	3.0	0.0	2.89E-10
	<u> 26 - 27</u>	2099.72		6132.88	1.6308	0.0769	0.0		0.0	5.0	0.0	1.765-10
	16 17	561.92		6136.57	1 - 6296	0.0493	2.48E~07	3.87E-07	5.38E-07	5.93E-07		9.895-07
3 . 0	25 26	3477.63	1	6138.39	1.6291	0.0400	0.0	0.0		2.0	1.17E-10	4.60E-10
3 0	36 37	2691.03		6139.44	1.6288	0.0400	0.0	0.0	1.12E-10	5.51E-10	2.095-09	6-175-09
4 1	1 0	2096.07		5140.07	1.6286	0.0769		0.0	0.0	0.0	0.0	1.84E-10
3 0	15 16	499.54		6141.80	1.6282	0.0505	3.95E-07	5.76F-07	7.63E-07	9.44F-07	1.115-06	1.27E-06
4 1	2 1	2099.72		6143.51	1.6277	0.0738	0.0	0.0	0.0	0.0	1.609-10	3.669-10
	24 25	3379.00		6144.78	1.6274	0.0400	0.0	0.0	0.0	2.0	1.805-10	7.185-10
4 -1	3 2	2107.00		6146.86	1.6268	0.0707	0.0	0.0	0.1	2.2	2.345-10	5.365-10
3 0	14 15	440.81	2	6146.93	1.6268	0.0517	6.06E-07	8.33E-07	1.055-06	1.25E-05	1.435-26	1.596-06
3 0	35 36	2550.01		6146.97	1.6268	0.0400	0.0	0.0	2.705-10	1.246-09	4.27E-09	1.195-08
4 1	4 3	2117.93		6150-11	1.6260	0.0676	0.0	0.2	0.0	1.08E-10	2.98E-10	6.885-10
4" i	23 24	3284.13		6151.07	1.6257	0.0412	0.0	0.0	0.0	7.0	2.875-10	1.106-09
× 3 0	13 14	385.75		6151.97	1.6255	0.0528	8.98F-07	1.175-06	1.41E-06	1.62E-06	1.879-06	1.955-06
4 1	5 4	2132.50		6153.26	1.6252	0.0645	0.0	0.0	0.0	1.25F~10	3.50E-10	8.125-10
3 0	34 35	2412.73		6154.40	1.6249	0.0400	0.0	1.045-10	6.36F-10	2.67E-09	8.58F-09	2.255-08
*** - 4 ' i '	6 5	2150.72		6156.32	1.6243	0.9621	0.0	0.0	0.0	1.38F-10	3.85E-17	9.045-10
3 0	12 13	334.34		6156.91	1.6242	0.0540	1.295-06	1.58E-06	1.84E-06	2.05F-06	2.215-06	2.35E-06
4 1	22 23	3193.03		6157.25	1.6241	0.0423	0.0	0.0	0.9	3.0	4.47E-10	1.65E-09
4 1	7 6	2172-57		6159.27	1.6236	0.0597	0.0	0.0	0.0	1.44E-10	4.075-10	9.61F-10
	33 34	2279.20		6161.72	1.6229	0.0400	0.0	2.66E-10	1.465-09	5.65E-09	1.695-38	4.185-08
22 3 0	11 12	286.60		5161.75	1.6229	0.0542	1.775-06	2.08F-06	3.32E-06	2.51F-06	2.658-16	2.755-06
4 1	8 7	2198.07		6162.12	1.6228	0.0574	0.0	0.0	0.0	1 - 44E-10	4-125-17	9-845-10
4 1	21 22	3105.69		6163.33	1.6225	0.0435	0.0	0.0	2.0	1.48E-10	6.83E-10	3*45E-00
4 1	9	2227.21		6164.88	1.6221	0.0550	0.0	0.0	0.2	1.395-10	4.03E→10	9.75E-10
. 3 0	10 11	242.53		6166.50	1.6217	0.0545	2.36F-06	2.65E-06	2.855-06	3.00E-06	3.09F-06	3.15F-06
4 1	10 9	2259.98		5167.53	1.6214	0.0547	0.0		^•9	1.296-10	3.825-17	9.36E-10
3 0	32 33	2149.44		6168.95	1.6210	0.0400	0.0	6.63E-10	3.28E-09	1.17E-0B		
	20 21	3022.13		5169.31	1.6209	9.0447	0.0	0.0	0.0		3.265-78	7.62E-08 3.49F-09
4 1	11 10	2296.39		6170.09	1.6207	0.0545	0.0			2.31E-10	1.02=-19	
3 6 -	9 -10	202.12	- 2	6171.15	1 6204	0.0547	3.02E-06	0.0 3.25E-06	0.0 3.39E-06	1.16E~10	3.51F-17	8.75E-10
4 1	12 11	2336-44	2	6172.55	1.6201	0.0542	0.0			3.47F-05 1.02E-10	3.50E-06	3.510-06
4 1	13 12	2380.12		6174.90	1.6195	0.0542	2.0	0•0 0•0	0.0		3.145-17	7.97E-10
	10 00	2942.34		6175.19	3 + 6194				0.0	ე•ი 7 = 0 = - • 0	2.74 = 10	7.08E-10
41	8 9	165.38				0.0458	0.0	0.0	1.0	3.52E-10	1.495-09	4.935-09
3 0	31 32			6175.70 6176.08	1.6192	0.0550	3.71E-06	3.85E-06	3.90E-06	3.905-05	3.865-26	3.805-96
4 <u>1</u>	14 13	2023.43		•	1.6192	0.0400	2-29E-10	1.60E-09	7-17E-09	2.35E-08	6-16E-08	1.365-07
	15 14			6177.16	1.6189	0.0528	0.0	0.0	0+0	2.0	2.335-10	6.15E~10
4 1 3 0	7 8	2478.38		6179.32	1.6183	0.0517	<u>0.0</u>		0.0	3.0	1.93E-10	5.22F-10
		132.31	2	5180.16	1.6181	0.0574	4.37E-06	4.38F-06	4.32E-06	4.238-05	4.12=-76	4.00F-06
4 1 4 1	18 19 16 15	2866.33		6180.97	1.6179	0.0470	0.0	0.0	0.0	5.23E-10	2+13E-09	5.815-09
_		2532.96		6181.38	1.6178	0.0505	0.0	0.0	0.0	0.0	1.57F-10	4.334-10
3 0 4 1	.30 31 17 16	1901-19		6183.11	1.6173	0.0400	6-12E-10	3.77E-09	1.536-08	4.645-08	1.141-07	2.39E~77
		2591-16		6183.33	1.6173	0.0493	0.0	0.0	0.0	0.0	1.245-10	3.525-10
3 0 4 1		102.91	2 2	6184.52	1.6169	0.0597	4.92E-06	4.78E-06	4.51E-06	4.438-06	4.24E-06	4.06E-05
_		2652-99		6185.19	1.6168	0.0482	0.0	0.0	0.0	2.2	0.0	2.805-10
4 ,1	17 18	2794.11	1	6186.65	1.6164	0.0482	0.0	0.0	1-41E-10	7.59E-10	2.985-09	9.22F-09
4 1	19 18	2718.44	2	5186.94	1.6163	0.0470	0.0	0.0	0.0	3• 0	9.0	2.18E-10
-4·- i	20 19 5 6	2787.51	2	6188.60	1.6159	0.0458	0.0	0.0	0.0	0.0	0.0	1.675-10
		77.19	2	6188.78	1.6158	0.0621	5.265-06	4.98F-06	4.70E-06	4.446-06	4.27E-76	3.98E-06
3 .0 4 1	29 30	1782.72		6190.03	1.6155	0.0400	1.585-09	8.62E-09	3.18E-08	9.95E-08	2.075-07	4-125-07
	21 20	2860.19		6190.15	1.6155	0.0447	0.0	0.0	0.0	2.2	0.0	1.255-10
_4 1	22 21	2936.50	<u>5</u>	6191-61	1.6151	0.0435	0.0	- 5 • 5	0.0	0.0	0.0	9.17E~11

VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRĀTI	D ** ABSOR CM-2*		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N5	T = 175	T = 200	T = 225	T = 250	r = 275	T = 300
		-			•									
4.	1	16	_17	2725.67	1	5192.22	1.6149	0.0493	0.0	0.0	2.09E-10	1.07E-09	4.06E-09	1.225-08
3	0	4	5	55.14	2	5192.95	1.6147	0.0645	5.30E-06	4.91E-06	4.558-06	4-34E-06	3.955-06	3.72=-06
3	0	28	29	_ <u>[668.03</u>	1	6,196.86	1.6137	0.0400	3.97F-09	1 • 93E-08	6.49F-08	1.69F-07	3.68F-97	6.986-07
3	0	з.	4	36.76	2	6197.01	1.6137	0.0676	4.985-06	4.52E-06	4.13E-06	3.81F-06	3.525-06	3.28E-06
4	.1	15		2661.01	1	6197.69	1.6135	0.0505	0.0	0.7	3.01E-10	1 +48F-09	5.42F-19	1.585-08
3	0	2	3	22.05	2	6200.98	1.6126	0.0707	4.56E-06	3.80F-06	3,448-06	3-13F-06	2.885-76	2.567-06
-4	1	14_	<u> 15</u>	2600.15	1 _	6203.06	1.6121	0.0517	ሳ•ሶ	0.0	4.20E-10	1.995-09	7.055-09	2.015-08
3	0	27	28	1557.12	1	6203.59	1.6120	0.0400	9.65E-09	4.18E-09	1.295-07	3.13F-07	5.435-07	1.165-16
.3	:	1	2 _	11.03	- 흕	6204.86	1.6116	0.0738	3.13E-06	2.77E-06	2.48E-06	2.25E-06	2.055-06	1.89F-96 2.49E-08
4	1	13	14	2543.03	1	5208.32	1.6107	0.0528	0.0	0.0	5.70E-10	2.61E-09	8.96F-09 1.08E-06	9.88F-07
3	0		1 27	3.65 [,] 1449.99	2	6208-63	1.6107	0.0769	1.68E-06 2.27E-08	1.47E-06 8.81F-08	1.31E-06 2.49E-07	1 • 1 85-0 <i>6</i> 5 • 67F-07	1.100-26	1.895-06
4	1	26 12	13	2489.80	1	5210.21	1.6103	0.0400 0.0540	0.0	1.16E-10	7.526-10	3.32F-19	1.11F-28	3.01E-08
3	·	12	13	-	5	6213-48	1.6094				1.37=-06	1.24E-06	1.125-06	1.035-26
	_	_	_	-0.0		6215.88	1.6088	0.0769	1.77E-06	1.55E-06		1.005-06	1.84E-06	3.035-76
3	. 0	25	. 26 <u>.</u> 12	1346.66 2440.32	1	6216.74	1.6086 1.6081	0.0400	5.18E-08 0.0	1.81F-07 1.54E-10	4.70E-07 9.52E-10	4 12E-09	1.345-08	3.565-08
3	0	11 2	, 12		1	5218.54	1.6079	0.0542 0.0738	3.48E-06	3.05E-06	2.72E-06	2.458-05	2.235-06	2.055~06
3	0	3	2	3.68 11.03	2	6219.36 6222.74	1.6079	040707	4.985-06	4.40E-06	3.958-05	3.578-76	3.261-06	3.01=-06
3	-			1247-11	1	6223.16	1.6069	0.0400	1.145-07	3.59E-07	8.645-07	1.735-06	3.01F-76	A - 75E-06
4	- 0 1	24 10	2 <u>5</u> 11	2394.64	i	5223.50	1.6068	0.0545	0.0	1.98F-10	1.19E-09	4.96=-00	1.585-28	4.175-78
		4	_ 3	2394.04		6226.03	1.6062	0.0676	6 • 15F-06	5.50E-06	4.97F-06	4.538-06	4-165-46	3.85F-06
3 4	<u>°</u> -			2352.76	- 1	6228.35	1.6056	0.0547	0*0	2+46E-10	1.43E-09	5.795-09	1.80F-08	4.500-08
3	1	5	10 4	36.76	2	6229.21	1.6053	0.0645	6.90F-96	6.26E-06	5.73F-06	5.275-06	4.885-06	4.54F-06
3	0	23	24	1151.37	1	6229.48	1.6053	0.0412	2.44E-07	6.95E-07	1.558-26	2.91F-06	4.821-96	7.305-06
3	ō	6	5	55.14	2	6232.30	1.6045	0.0621	7.21F-06	6.67E-06	6-195-06	5.76E-05	5.39E-26	5.065-06
4	- ĭ	8	. 9	2314.69	1	5233.10	1.6043	0.0550	0.0	2.94E-10	1.66E-09	5.555-09	2.005-28	5.025-08
3	ō	7	6	77.19	2	6235.28	1.6038	0.0597	7-11E-96	6.72E-06	6.35E-06	6.10F-06	5-675-06	5.38E-06
3	ő	22	23	1059.42	ī	6235.70	1.6037	0.0423	5.035-07	1.30F-06	2.70F-06	4.78E-06	7.565-06	1.175-75
4	ĭ	7	8	2280.41	i	6237.74	1.6031	0.0574	0.0	3.37E-10	1.85E-29	7.155-09	2-155-08	5.31E-08
3	ō	8	7	102.91	2	6238.17	1.6030	0.0574	6.66E-06	6.46E-06	6.23E-06	5.99E-06	5.74E-06	5.505-06
3	ő	9	8	132.31	2	5240.96	1.6023	0.0550	5.955-06	5.955-06	5.885-06	5.76E-05	5.60F-16	5.445-06
3	ō	21	22	971.28	ī	6241.82	1.6021	0.0435	1.00E-06	2.38E-06	4.595-06	7.69F-06	1 • 16F-25	1+62F-05
4	ĭ	-6	7	2249.94	î	6242.28	1.6020	0.0597	0.0	3.71F-10	1.99E-09	7.545-09	2.886-08	5.438-08
3	ō	10	9	165.38		6243.64	1.6016	0.0547	5.10E-76	5.285-06	5.35E-06	5.356-06	5.308-26	5.22F-06
3	ō	11	10	202.12		6246.23	1.6010	0.0545	4.20E-06	4.528-06	4.71E-06	4.825-06	4.875-06	4.875-06
4	1	5	6	2223.28	1	6246.72	1.6008	0.0621	0.0	3.89F-10	2.04F-09	7.60E-09	2.215-78	5.345-08
3	ō	20	21	886.95		5247.84	1.6006	0.0447	1.945-06	4.21E-06	7.60E-06	1.20F-05	1.745-05	2.35=-09
3	Ó	12	ii	242.53		6248.72	1.6003	0.0542	3.32E-06	3.73F-06	4.025-06	4.22F-06	4.355-76	4.435-06
4	t	4	5	2200.42		6251.05	1.5997	0.0645	0.0	3.95E-10	1.995-09	7.29E-09	2.09F-18	5.016-08
3	0	13	12	286.60		6251.11	1.5997	0.0540	2.548-96	2.98E-06	3.32C-06	3.598-06	3.79E-05	3.93E-06
3	0	14	13	334.34		6253.40	1.5991	0.0528	1.87F-06	2.30F-06	2.67F-06	2.976-06	3+21F-26	3.416-06
3	0	19	20	806.42	1	6253.75	1.5990	0.0458	3-62E-06	7.24E-06	1.225-05	1.846-05	2.55=-25	3.336-05
4	1	3	4	2181.37		6255.28	1.5986	. 0.0676	0.7	3.57F-10	1.81F-09	5.57F-09	1.87F-08	4.435-08
3	Õ	15	14	385.75		6255.59	1.5986	0.0517	1.33E-06	1.72E-06	2.08F-06	5.30E-06	2.66E-26	2.88=-01
3	0	16	15	440.81	2	6257.68	1.5980	0.0505	9.005-07	1.25F-06	1.58F-06	1.885-06	2.155-05	2.395~00
4	1	2	3	2166.13	1	6259,41	1.5976	0.0707	0.40	3.01E-10	1.51E-09	5.435-09	1.53F-08	3.61F-08
3	0	18	19	729.71	1	6259.56	1.5976	0.0470	6.52E-06	1.21F-05	1.92E-05	2.75E-05	3.665-25	4+61E-0F
3	0	17	16	499.54	2	6259.67	1.5975	0.0493	6.03F-07	8.80F-97	1.16F-06	1-44F-06	1.775-06	1.94 E-0
3	0	18	17	561.92	2	5261.56	1.5970	0.0482	3.86E-07	6.01E-07	8.37E-07	1 • 28E-26	1.31E-26	1.545-0
3	0	19	18	627.96	2	6263.34	1.5966	0.0470	2.40F-07	3.99E-07	5.85E-07	7.865-07	9.92E-97	1.205-0
4	1,	1	2	2154.70	1	6263.43	1.5966	0.0738	0.0	2.20E-10	1.09E-00	3.90E-09	1.095-98	2.56F-18
3	0	20	19	697.65	2	6265.03	1.5962	0.0456	1.44E-07	2.57F-07	3.995-07	5.67F-07	7.335-07	9-105-07
3	0	17	18	656.82		6265.27	1.5961	0.0482	1.14E-05	1.956-05	2.935-05	4+01E-05	5+14F-05	5.275-05

VU	٧L	Jυ	JL	LOWER	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** "INTEGRATE	ED ** ABSORE	PTION ** COE	FFICIFNT #	******
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
											,			
3	0	21	20	771.00	2	6266.62	1.5958	0+0447	8.34E-08	1.615-07	2.65E-07	3.90E-07	5.305-07	6.805-07
4	1	0	1	2147.03	1	5267.34	1.5956	0.0769	0.0	1.17E-10	5.79E-10	2.756-09	5.745-70	1.345-08
3	0	22	21	847.99	2	6268.10	1.5954	0.0435	4.69E-08	9.80F-08	1.71E-07	2.65E-07	3.755-07	4.976-07
3	0	23 24	22	928.62	2	6269.49	1.5950	0.0423	. 2.55E-08	5.79E-09	1.08E-07	1.765-07	2.60E-07	3.578-07
3	, 0	16	23 17	1012.90 587.75	,2 1	6270.77 6270.88	1.5947 1.5947	0.0412	1.35E-08	3.33 <u>C</u> -08	6.65E-08	1 • 1 4E ~ 07	1.76E-07	2.51E-07
3	ŏ	25	24	1100.81	ž	6271.95	1.5944	0.0400	6.88E~09	1.86F-08	4.35E-05 3.99E-08	5.70E-05 7.25E-08	7.04E-05 1.17E-07	8.33E-05 1.73E-07
3	ő	26	25	1192.35	2	6273.03	1.5941	0.0400	3.40F-09	1.01F-08	2.33E-08	4.50E=08	7.62E-08	1.175-07
3	ō	27	26	1287.55	2	5274.01	1.5939	0.0400	1 + 63E-09	5.35E-09	1.335-08	2.736-08	4 -86F-08	7.805-08
4	1	1	ō	2143.27	1	6274.86	1 • 5 9 3 7	0.0769	0.0	1.23E-10	6.06F-10	2.15E-09	5.99F-39	1.405-08
3	0	28	27	1386+36	2	6274.88	1.5937	0.0400	7.585-10	2.75E-09	7.41E-09	1.62E-18	3.03E-08	5.09E-08
3	0	29	28	1488.80	2	6275 • 66	1.5935	0.0400	3.42E-10	1.38F-09	4.02E-09	9.385-09	1 - 86F-08	3.25E-08
3	0	30	29	1594.85	2	6276.33	1.5933	0.0490	1.49E-10	6.71E-10	2.13F-09	5.326-09	1.11E-08	2.04E-0B
3	0	15	16	522.50	1	6276.39	1 • 5933	0.0505	3.12E-05	4.66E-05	6.28E-05	7.89E-05	9.422-35	1.085-04
3	0	31	30	1704.53	2	5276.90	1.5931	_0.0400	0.0	3.20E-10	1 • 1 1E-09	2.975-09	6.585-09	1.275-08
3	0	32	31	1817.82	2	6277.37	1.5930	0.0400	0.0	1.48E~10	5.63E-10	1 • 62E-09	3.81E-09	7.715-09
3	0	40	39	2853.67	2	6277.41	1.5930	0.0400	0.0	0.0	0.0	0.7	£•0	7.485-11
3	0	33	32	1934.72	2	6277.74	1.5929	0.0400	0.0	0.0	2.79E-10	B • 65E-10	2.165-09	4.605-09
3	0	39 34	38	2711.64	2	6277.77	1.5929	0.0400	ŭ•0	0.0	0.0	2 • 0	0.0	1.42F-10
3 3	0	38	33 37	2055.22 2573.18	2	6278.00 6278.02	1.5929	0.0400	0.7	9+0	1.35E-10	4.52E-10	1.20E-09	2.70E-09
3	ő	35	34	2179.32	2	5278.16	1.5929 1.5928	0.0400	0.0	0.0	0 • 0 0 • 0	0.0 2.31E-10	0.0	2.66E-10 1.55E-09
3	Ö	37	36	2438.31	2	6278.17	1.5928	0.0400	0.0	9.0	0.0	0.0	6.56E-10 1.84E-10	4.88E~10
3	ō	36	35	2307.02	2	6278.22	1.5928	0.0400	0.0	0.0	0.0	1 • 15E-10	3.51E-10	8.79E-10
4	1	2	1	2147.05	11	6278.46	1.5927	0.0738	0.0	2.43F-10	1.205-09	4.265-09	1.19E-08	2.78E-08
3	0	14	15	461.08	1	5281.79	1.5919	0.0517	4.89E-05	6.86E-05	8-818-05	1.06E-04	1.235-04	1.385-04
4	1	3	2	2154.70	1	6281.95	1.5919	0.0707	0.0	3.49E-10	1.745-09	6 • 19E-29	1.74E-08	4.07F-08
4	1	4	3	2166.13	1	6285.34	1.5910	0.0676	0.0	4.35E-10	2-185-09	7.835-09	2.21F-08	5.20E-08
3	0	13	14	403.48	1	6287.09	1.5906	0.0528	7.40E-05	9.79E-05	1.20E-04	1 • 40E-04	1.57E-04	1.71E-04
4	1	5	4	2181.37	1	6288.63	1.5902	0.0645	0.0	4.93F-10	2.505-09	9.08E-09	2.585-08	6.12E-08
4	1	6	5	2200.42	1	6291.80	1.5894	0.0621	0.0	5.22F-10	2.69E-09	9.89E-09	2.84F-08	6.79F-08
3	0	12	13	349.72	1	6292+29	1.5892	0.0540	1.08E-04	1.35E-04	1.59E-04	1 - 79E-04	1 + 955-04	2.08E-04
4	1	7	6	2223.28	1 .	6294.88	1.5886	0.0597	_0,•0	5.24E~10	2.75E-09	1.02F-08	2.98E-08	7-19E-08
3 4	1	11 B	12 7	299.78	1	6297.38	1.5880	0.0542	1.52E-04	1.81E-04	2.04E-04	2.22E-04	2.365-04	2.46E-04
4	1	9	8	2249.94	1	6297.84 6300.70	1.5878 1.5871	0.0574 0.0550	0.0	5.00E-10 4.57E-10	2.68E-09	1.025-08	3.00F-08	7.32E-08
3	ò	10	11	253.68	1	6302.37	1.5867	0.0545	0.0 2.05E-04	2.33E-04	2.51E-09 2.53E-04	9.71E-09 2.68E-04	2.915-08 2.78E-04	7.20E-08 2.84E-04
4	1	10	9	2314.69	i	6303.46	1.5864	0.0547	0.0	4.02E-10	2.27E-09	8.97E-09	2.735-08	6.87E-08
4	ī	11	10	2352.75	1	6306.10	1.5858	0.0545	0.0	3.40E-10	1.98E-09	8.01E-09	2.495-08	6.37E-08
3	ō	9	10	211.42	<u>1</u>	5307.26	1.5855	0.0547	2.67E-04	2.90E-04	3.05E-04	3-14E-04	3-18E-04	3.20E-04
4	1	12	11	2394.64	1	6308.64	1.5851	0.0542	0.0	2.785-10	1.67E-09	5.95E-09	2.21F-08	5.75E-08
4	1	13	12	2440.32	1	6311.08	1.5845	0.0540	0.0	2.19E-10	1.37E-09	5.86E~09	1.915-08	5.06E-08
, з	0	8	9	172.99	1	6312.05	1.5843	0.0550	3-33E-04	3.47F-04	3.54E-04	3.56F-24	3.54E-04	3.49E-04
4	1	14	13	2489.80	1	6313.40	1.5839	0.0528	70.0	1.67F-10	1.09E-09	4.80E-09	1.60E-08	4.35E-08
4	1	15	_14	2543.08	.1	6315.62	1.5834	0.0517	0.0	1.23E-10	_8.37E-10	3.83E-09	1.315-08	3.655-08
3	0	7	8	138.40	1	6316.73	1.5831	0.0574	3.97F-04	4.00F-04	3.97E-04	3.90E-04	3.81E-04	3.70E-04
4	1	16	15	2600.15	1	6317.73	1.5828	0.0505	0.0	0.0	6.27E-10	5.97E-09	1.05E-78	2.995-08
4	1	17	16' 7	2661.01	1	6319.74	1.5823	0.0493	0.0	0.0	4.56E-10	2.25E-09	8.22E-29	2.40E-08
3		6 18	17	107-65	-1	6321.30	1.5820	0.0597	4.52E-04	4-41E-04	4.26E-04	4.11E-04	3.95E-04	3.79F-04
4	1	19	18	2725.67 2794.11	1	6321.64 6323.43	1.5819	0.0482 0.0470	0.0	0.0	3+23E-10	1.66E-09	6.27E-39	1.895-08
4	i	20	19	2866.33	1	6325.11	1.5814	0.0470	0.0	0.0	2.22E-10 1.49E-10	1.19E-09 8.3BE-10	4.68E-09 3.41E-09	1.45E-08 1.09E-08
3	ò	5	6	80.74	i.	6325.78	1.5808		'4•87E-04	4.63E-04	4.38E-04	4 • 15E-04	3.41E-09 3.93E-04	3.73E-04
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VU	٧L	JU	JĻ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** ÎÑTEGRATI	ED ** ABSOR		EFFICIENT *:	******
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
4	1	21	20	2942.34	1	6326.68	1.5806	0.0447	0.0	0.0	0.0	5.74E-10	2.43F-09	8.035-09
4	1	22	21	3022.13		6328.15	1.5802	0.0435	0.0	0.0	0.0	3.845-10	1.70F-09	5.815-09
4	1	23	22	3105.69	1	6329.51	1.5799	0.0423	0.0	0.0	0.0	2.51F-10	1.16E-29	4.10E-09
3	ō	4	5	57.67	1	6330.14	1.5797	0.0645	4.96E-04	4.60F-04	4.27E-04	3.99E-04	3.73=-04	3.515-04
4	1	24	23	3193.03	_	5330.76	1.5796	0.0412	0.0	0.0	0.0	1 • 60F-10	7.725-10	2.84F-09
4	1	25	24	3284.13		6331.90	5793	0.0400	0.0	0.0	2.0	0.0	5.045-10	1.935-09
4	1	26	25	3379.00	ī	6332.93	1.5790	0.0400	0.0	0.0	0.0	0.0	3.22E-10	1.295-09
4	i	27	26	3477.63	-	6333.85	1.5788	0.0400	0.0	0.0	0.0	2.0	2.025-10	8.425-10
3	ò	3	4	38.45		6334.41	1.5787	0.0676	4.69E-04	4.26F-04	3.90F-04	3.60E-04	3.33F-04	3.10E-04
4	1	28	27	3580.03		6334.67	1.5786	0.0400	0.0	0.0	0.0	2.0	1.245-10	5.405-10
4	1	29	28	3686.17		6335.37	1.5784	0.0400	0.0	0.0	0.0	2.0	0.0	3.39F-10
4	1	30	29	3796.07		6335.97	1.5783	0.0400	0.0	0.0	0.0	2.0	0.0	2.09E-10
4	î	31	30	3909.71	1	6336.45	1.5782	0.0400	0.0	2.0	9.9	7.9	0.0	1.27E-10
4	1	32	31											
				4027.09		6336.83	1.5781	0.0400	0.0	0.0	0.0	0.0	0.0	7.58E-11
3	0	2	3	23.07	1	6338.57	1.5776	0.0707	4.03E-04	3.60E-04	3.26E-04	2.97E-04	2.73E-04	2.53=-04
3	0	1	2	11-54	1	6342.62	1.5766	0.0738	2.985-04	2.635-04	2.36E-04	2.145-04	1 • 95E - 04	1.805-04
3	0	0	1	3.85	1	6346.57	1.5757	0.0769	1.60E-04	1+405-04	1.25F-04	1.135-04	1.035-04	9.42F-05
3	0	1	0	-0.0	1	6354.16	1.5738	0.0769	1.69F-04	1.48E-04	1.31E-04	1.18F-04	1.07E-74	9.81E-05
3	0	2	1	3.85		6357.79	1.5729	0.0738	3.32E-04	2.915-04	2.595-04	2.34E-04	2-135-04	1.95E-94
3	0	3	2	11.54	1	6361.32	1.5720	0.0707	4.746-04	4 • 1 9E-04	3.756-04	3.40E-04	3.11E-04	2+86E-04
3	0	4	3	23.07		6364.75	1.5712	0.0576	5+82F-04	5.21E-04	4.71E-04	4.30E-04	3.95E-24	3.66F-04
3	0	5	4	38.45		6368.07	1.5703	0.0645	6.49E-04	5.90E-04	5.4CE-04	4.986-04	4.625~04	4.305-04
3	0	5	5	57.67		6371.28	1.5695	0.0621	6.745-04	6.250-04	5.815-04	5.42E-04	5.07E-94	4.77E-04
3	0	7	6	80.74	1	6374.38	1.5688	0.0597	6.59E-04	6.25F-04	5.92E-04	5.61E-04	5.31F-34	5.04E-04
3	0	8	7	107.65		6377.39	1.5680	0.0574	6.115-04	5.96E-04	5.775-04	5.56F-04	5.34E-04	5.13E-94
3	0	9	₿	138.40	1	6380.28	1.5673	0.0550	5.40E-04	5.446-04	5.405-04	5.325-04	5.18E-04	5.04F-04
3	0	10	9	172.99	1	6383.07	1.5666	. 0.0547	4.57E-04	4.77E-04	4.87E-04	4.B9E→04	4.85E-04	4.80F-04
3	0	11	10	211.42	1	6385.75	1 - 5660	0.0545	3.718-04	4.03E-04	4.24F-04	4+36E-04	4.47=-74	4.45E-04
3	0	12	11	253,58	1	6388.32	1.5654	0.0542	2.89E-04	3.28E-04	3.57E-04	3.786-04	3.92E-04	4.01F-04
3	0	13	12	299.78	1	6390.79	1.5648	0.0540	2.17E-04	2.58E-04	2.91E-04	3 • 1 7 E - 0 4	3-37E-04	3.52E-04
3	0	14	13	349.72	1	6393.15	1.5642	0.0528	1.57F-04	1.965-04	2.31E-04	2.59E-04	2.835~74	3.025-04
3	0	15	14	403.4B	1	6395.41	1.5636	0.0517	1.09E-04	1.45E-04	1.775-04	2.06F-04	2.31E-04	2.535-04
3	0	16	15	461.08	1	6397.55	1.5631	0.0505	7.34E-05	1.03E-04	1.326-04	1.678-04	1.855-04	2.07F-04
3	0	17	16	522.50	1	6399.59	1.5626	0.0493	4.76F-05	7.12È-05	9.60F-05	1.215-04	1-445-04	1.665-24
3	0	18	17	587.75	1	6401.53	1.5621	0.0482	2.985-05	4.77E-05	6.77F-05	8.86F-05	1.10=-04	1-30F-04
3	0	19	18	656.82	1	6403.35	1.5617	0.0470	1 •80E-05	3.096-05	4.64E-05	5.35E-05	8.145-05	9.935-05
3	0	20	19	729.71	1	6405.07	1.5613	0.0458	1.05F-05	1.95F-05	3.105-05	4.45E-05	5.92E-05	7.45E-05
3	G	21	20	806.42	1	6406.67	1.5609	0.0447	5.95E-06	1.19E-05	2.01E-05	3.03E-05	4.202-05	5.475-75
3	0	22	21	886.95	1	6408.18	1.5605	0.0435	3.25F-06	7.06F~06	1.275-05	2.025-05	2.925-05	3.94F-05
3	0	, 23	22	971.25	1	6409.57	1.5602	0.0423	1.72E-06	4.07E-06	7.85F-06	1.316-05	1.985-05	2.785-05
3	0	24	23	1059.42	1	6410.85	1.5599	0.0412	8.76F-97	2.27F-06	4.71E-06	8.345-06	1.325-05	1.925-05
3	0	25	24	1151.37	1	6412.03	1.5596	0.0400	4.336-07	1 . 24E-26	2.75E-06	5.17F-06	8.586-06	1.305-05
3	0	45	44	3782.62	1	6412.50	1.5595	0.9400	0 • 0	0.0	0.0	2.2	0.0	9.935-11
3	0	26	25	1247.11	1	6413.09	1.5593	0.0400	2.07E-07	6.52E-07	1.57F-06	3.13E-06	5.46F-05	8.62E-06
3	0	44	43	3615.54	1	6413.53	1.5592	0.0400	0.0	0.0	0.2	2.0	2.0	2.14E-10
3	0	27	26	1346.66		6414.05	1.5591	0.0400	9.58E-08	3-346-07	8.70E-07	1.85E-06	3.40E-06	5.61E-06
3	Ō	43	42	3452.15		5414.44	1.5590	0.0400	0.0	0.0	0.0	0.0	1.10=-10	4.525-10
3	o	28	27	1449.99		6414.90	1.5589	0.0400	4.29E-08	1.66E-07	4.715-07	1.07E-06	2.078-06	3.58E-06
3	ō	42	41	3292.48		6415.25	1.5588	0.0400	0.0	0.0	0.0	2.0	2.445-10	9.385-10
3	ō	29	28	1557.12		6415.64	1.5587	0.0400	1.86E-08	8.05E-08	2.485-07	6.04E-07	1.245-05	2.24E-06
3	ō	41	40	3136.53		6415.94	1.5586	0.0400	0.0	0.0	0.0	1.135-10	5.315-10	1.915-09
3	ō	30	29	1668.03		6416.27	1.5585	0.0400	7.80E-09	3.78F-08	1.275-07	3.33E-07	7.245-07	1.37F-06
3	ŏ	40	39	2984.30		5416.52	1.5585	0.0400	0.0	0.0	0.0	2.62E-10	1.139-00	3.82F-09
_	-				-									

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	******
				ENERGY		CM-1	MICRON	N2	T = 175	T = 200	T = 225	T = 250	T = 275	T = 300
3.		31	30	1782.72	1	6416.79	1.5584	0.0400	3.19E-09	1.74E-08	6.42E-08	1.81E-07	4.17E-07	8.31E-07
3	0	39	38	2835.80	1	6416.99	1.5584	0.0400	0.0	0.0	1.07E-10	5.93E-10	2.376-09	7.495-09
, 3	0	32	31	1901-19	1	6417+20	1.5583	0.0400	1.26E-09	7.77E-09	3.15E-08	9.57E-08	2.358-07	4-93F-07
3	0	38	37	2691.03	1	5417.35	1.5583	0.0400	0.0	0.0	2.51E-10	1:315-09	4.875-00	1.44E-08
3	0	33	32	2023.43	1	6417.50	1 • 5582	0.0400	4.83E-10	3.37E-09	1.51E-08	4.95E-08	1.30E-07	2.875-07
3	0	37	36	2550.01	1	5417.60	1.5582	0.0400	0.0	0.0	6.17E-10	2.84E-09	9.785-09	2.725-08
3	0	34	33	2149.44	. 1	6417.69	1.5582	0.0400	1.79E-10	1.42E-09	7.05E-09	2.51E-08	7.01E-08	1.64E-07
3	0	36	35	2412.73	. 1	5417.74	1.5582	0.0400	"o.₊o"	2.33E-10	1.435-09	6.00F-09	1.925-08	5.058-08
3	0	35	34	2279.20	11	6417.77	1.5582	0.0400	0.0	5.85E-10	3.21E-09	1.245-08	3.71E-28	9.18E-08

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Table 4—Fundamental band of CO, T = 300-1800°K. The total number of lines included is 2692. For temperatures less than 1800°K, the line intensities were set equal to zero for intensities less than approximately 1×10^{-6} . The line intensities correspond to an absorption coefficient per unit length per unit pressure at NTP conditions.

VU	VL"	JU	JĽ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******			RPTION ** CON		*****
	•			ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
2		104		22582.21		1554+33	6.4336	0.0400	0.0	0.0	0.0	0.0		_ 5.84E-0.7
1		107		21777.14		1556.96	6.4228	0.0400	0.0	0.0	0.0	0.0	0.0	5.76E-07
3		100		23050.98		1557.92	6.4188	0.0400	0.0	0.0	0.0	0.0	0.0	5.78E-07
2		103		22210.73		1560.96	6.4063	0.0400	0.0	0.0	0.0	0.0	0.0	7.825-07
1		106		21392.98		1563.69	6.3951	0.0400	0.0	0.0	0.0	0.0	0.0	7.79E-07
3	2		100	22695.13	1	1564.44	6.3921	0.0400	0.0	0.0	0.0	0.0	0.0	7.63E-07
4	3	95	96	23229.68	1	1567.37	6.3801	0.0400	0.0	0.0	0+0	_0 • 0	0.0	6+34F-07
.2	1	102	103	21842.26	1	1567.58	6.3793	0.0400	0.0	0.0	0.0	0.0	0.0	1.04F-06
1	0	105	106	21011.81	1	1570.40	6.3678	0.0400	0.0	0.0	0.0	0.0	0.0	1.056-06
3	2	98	99	22342.30	1	1570.94	6.3656	0.0400	0.0	0.0	0.0	0.0	0.0	1.015-76
4	3	94	95	22892.46	1	1573.76	6.3542	0.0400	0.0	0.0	0.0	0.0	0.0	8.24E-07
2	1	101	102	21476.80	1	1574.17	6.3526	0.0400	0.0	0.0	. 0 • 0	0.0	0.0	1.39E-06
5	4	90	91	23492.04	1	1576.02	6.3451	0.0400	0.0	0.0	0.0	0.0	0.0	6.08E-07
1	C	104	105	20633.65	1	1577.09	6.3408	0.0400	0.0	0.0	0.0	0.0	0.0	1.41E-06
3	2	97	98	21992.52	1	1577.42	6.3395	0.0400	0.0	0.0	0.0	0.0	0 • 0	1.32E-06
4	3	93	94	22558.31	1	1580.12	6.3286	0.0400	0.0	0.0	0.0	0.0	0.0	1-07E-06
4	1	100	101	21114.38	1	1580.75	6.3261	0.0400	0.0	0.0	0.0	0.0	0.0	1.85F-06
5	4	89	90	23173,46	1	1582.26	6.3201	0.0400	0.0	0.0	0.0	0.0	0.0	7.78E-07
1	C	103	104	20258.50		1583.76	6.3141	0.0400	0.0	0.0	0.0	0.0	0.0	1.905-06
3	2		97	21645.80		1583.88	6.3136	0.0400	0.0	0.0	0.0	0.0	0.0	1.73E-06
4	3		93	22227.24		1586.46		0.0400	0.0	0.0	_0.0	0.0	0.0	1.38F-06
2	1		100	20755.00		1587.31	000E.0	0.0400	0.0	0.0	0.0	0.0	0.0	2.44E-06
5	4		89	22857.99		1588.48	6.2953	0.0400	0.0	0.0	0.0	0.0	0.0	9.945-07
ě	5	_	85	23537.30		1589.95	6.2895	0.0400	,0.0	0.0	0.0	0.0	0.0	6.58E-07
3	2		96	21302.14		1590.32	6.2880	0.0400	0.0	0.0	0.0	0.0	0.0	2.26E-06
1		102		19886.39		1590.41	6.2877	0.0400	0.0	0.0	,0.0	0.0	0.0	2.54E-06
4	ਰ		92	21899.26		1592.78	6.2783	0.0400	0.0	0.0	0.0	0.0	0.0	1, 78E-06
2	1		99	20398.68		1593.84	6.2742	0.0400	0.0	0 · C	0.0	0.0	0.0	3.23E-06
5	4		88	22545.62		1594.68	6.2709	0.0400	0.0	0.0	0.0	0.0	0.0	1.27E-06
6	5		84	23240.48		1596.02	6.2656	0.0400	0.0	0.0	0.0	0.0	0.0	8.28F-07
3	2			20961.57		1596.74	6.2628	0.0400	0.0	0.0	0.0	0.0	0.0	2.95E-06
1			102	19517.34		1597.04	6.2616	0.0400	0.0	0.0	0.0	0.0	0.0	3.396-06
Â	3		91	21574.38		1599.08	6.2536	0.0400	0.0	0.0	0.0	0.0	0 0	2.30F-06
2	1			20045.44		1600.36	6.2486	0.0400	0.0	0.0	0.0	0.0	0.0	4.25E-06
5	4			22236.39		1600.86	6.2466	0.0400	0.0	0.0	0.0	0.0	0.0	1.61E-06
6	5			22946.81		1602.07	6.2419	0.0400	0.0	0.0	0.0	0.0	0.0	1.045-06
7	5			23704.85		1602.71	6.2394	0.0400	0.0	0.0	0.0	0.0	0.0	5.26E-07
3	2			20624.10		1603.13	6.2378	0.0400	0.0	0.0	0.0	0.0	0.0	3.84F-06
1	0		101	19151.35		1603.15	6.2358	0.0400	0.0	0.0	0.0	0.0	0.0	4.51E-06
4	3		90				6.2291	0.0400		0.0	0.0	0.0	0.0	2.95E-06
	1			21252.63		1605.36		0.0400	0.0	0.0	0.0	0.0	0.0	5.59F-06
2				19695.29		1606.85	6.2234	0.0400	0.0	0.0	0.0	0.0	0.0	2.04E-06
5	4			21930.29		1607.02	6.2227		0.0					1.30E-06
6	5			22656+29		1608.10	6.2185	0.0400	0.0	0.0	0.0	0•0 0•0	0.0	
7	6			23429.83		1608.61	6.2165	0.0400	0.0	0.0	0.0		0.0	7.73E-07 4.98F-06
3	2			20289.75		1609.51	6.2131		0.0	0.0	0.0	0.0	0.0	
1	0		100	18788.44		1610.24	6.2103	0.0400	0.0	0.0	0.0	0.0	0.0	5.99F-06
4	3			20934.01		1611.61	6.2050	0.0400	0.0	0.0	0.0	0.0	0.0	3.77E-06
5	4			21627.34		1613.15	6.1991	0.0400	0.0	0.0	0.0	0.0	0.0	2.58E-06
2	1			19348.24		1613.33	6.1984	0.0400	0.0	0.0	0.0	0.0	0.0	7.33E-06
6	5			22368.93		1614.11	6.1954	0.0400	0.0	0.0	0.0	0.0	0.0	1.62E-06
7	6			23157.98		1614.49	6.1939	0.0400	0.0	0.0	0.0	0.0	0.0	9.51E-07
3	2			19958.52		1615.87	6.1886	0.0400	0.0	0.0	0.0	0.0	0.0	6.44E-06
1	0	9.6	99	18428.62	1	1616.82	6.1850	0.0400	0.0	0.0	0.0	0.0	0.0	7.94E-06

	V U	VL	JU.	JŁ	LOWER State	CODE	NÚMBER WAVE	WAVE LENGTH	HALF , WIDTH ,	*****	*** INT	EGRATED 4		RPTION ** CO	EFFICIENT *	****
					ENERGY		CM-1	MICRON	N2	T = 300	T =	600 T	= 900	T = 1200	T = 1500	T = 1800
																<i>-</i>
		_														
		3	87		.20618.54	1	1617.85	6.1810	.0.0400	0.0	_ 0.0		0	0.0	0.0	4.82E-06
	5 2	1	83 94	84	,21327.55	1	1619.26	6.1757	0.0400	0.0	0.0	0.		0.0	0.0	3.25E-06
	8	7	71	95 72	19004.32	1	1619.78	6,1737	0.0400	0.0	0.0	٥,		0.0	0.0	9.58E~06
	é	. 5	79		23740.39 22084.76	ī	1620.00	6.1728	0.0400	0.0	0.0	٥.		0.0	0.0	6.35E-07
	7	6	75	76	22889.33	- 1	1620.09	6.1725	0.0400	0.0	0.0_			00		2.02E=06
	3	2	90	91	19630.43	1	1622.20	6.1715 6.1645	0.0400 0.0400	0.0	0.0	0.		0.0 0.0	0.0	1.17E-06
	1	ō	97	98	18071.92	1	1623.37	6.1600	0.0400	0.0	0.0					8.30E-06
	4	Ε		87	20306,23	ī	1624.06	. 6 • 15Z4.	0.0400	.0.0	0.0	٥.		0.0	0.0	1.05E-05
	5	4	82	83	21030.94	`ī	1625.35	6.1525	0.0400	0.0	0.0			0.0	0.0	4.09E-06
	8	7	70	71	23490.3B	ī	1625.70	6.1512	0.0400	0.0	0.0	ŏ.		0.0	0.0	7.68E-07
	6	5	78	79	21803.77	1	1626.06	6.1498	0.0400	0.0	0.0	ő.		0.0	0.0	2.50E-06
	7	6	74	75	22623.88	1	1626.17	6.1494	0.0400	0.0	0.0	o.		0.0	0.0	1.43E-06
	2	1	93	94	18663.53	1	1626.22	6.1492	0.0400	0.0	ò.o	0.		0.0	0.0	1.25E-05
	_1 .	. 0	93.	94	15964.29	2	1626.28	. 6 - 1490 .	0.0400	0.0	0.0			0.0		5.72E-07.
	2	1	89	90	16637.68	2,	1628.31	6.1413	0.0400	0.0	0.0	o.		0.0	0.0	6+36E-97
	3	2	89	90	19305.50	1	1628.52	6.1405	0.0400	0.0	0.0	0.		0.0	0.0	1.07E-05
	. 1	0	96	97	17718.34	1	1629.90	6.1353	0.0400	0.0	0.0	0.		0.0	1-13E-06	1.38E-05
	4	_ Э	85	86	19997+09	1	1630.25	.,6+1340	0.0400	0.0	0.0	0.	0.	0.0	0.0	7.80E-06
	8	7	69	70	23243.58	1	1631.37	6.1298	0.0400	0.0	0.0	0.	0	0.0	0.0	9.25E-07
	5	<u> </u>	. 81	_8,2	_207,37 , 52	1	1631.41	6.1297	0.0400	0.0	0.0	<u> </u>	Q.,	0.0	0.0,	5-13E-06
29	7	6	73	74	22361.64	1	1631.98	6.1275	0.0400	0.0	0.0	0.	0	0.0	0.0	1.75E-06
	6,	5	77	78	21525.99	1	1631.99	6.1275	0.0400	0.0	0.0	. 0 .	0	0.0	0.0	3.10E-06
	1	0	92	93	15637.47	2	1632.40	6.1259	0.0400	0.0	0.0	0.		0.0	0.0	7.37E-07
	2	. 1	. 92	93	18325.89	1	1632.63	6.1251	0.0400	0+0	0,•0		.0	0.0	1 • 50E-06	_1 <u>.</u> 62F-05
	2	1	88	89	16326.21	2	1634.32	6.1188	0.0400	0.0	0.0	0.		0.0	0.0	8.10E-07
			88	89	1,8983,73	<u> </u>	1634 • 81	6.1169	0.0400		0.0	<u>.0.</u>		0.• <u></u>	<u> </u>	1.37E-05
	3	2	84 95	65 96	17062.69	2	1635.71	6.1136	0-0400	0.0	0.0	0.		0.0	0.0	6.43E-07
	1	3	84	85	17367.91	1	1636.41	6-1109	0.0400	0.0	0.0	0.		0.0	1.57E-06	.1.82E-05
	8	7.	68	69	23000.01	1	1636.42 1637.03	6.1109	.0.0400	0.0	0.0	0.		0.0	0.0	9.89E-06
	5	4	80	81	20447.30	1	1637.46	.6.1086	0.0400 0.0400	0.0	0.0	, 0.		0.0	0.0.	1.11E=06.
	7	6	72	73	22102.62	•	1637.77	_6.1059 _	0.0400	0.0	0.0	0. 0.		0.0	0.0	6.41E-06
	6	- 5-	76	77		· î ·-	1637.91	6.1053	0.0400	0.0	0.0	٠٠. ٥٠		0.0	0.0	2.13E-06 3.82E-06
	ĭ	õ	91	92	15313.73	2	1638.50	6.1031	0.0400	0.0	0.0	0.		0.0	0.0	
	2	1	91	92	17991.41	1	1639.02	6.1012	0.0400	0.0	0.0	0.		0.0	1.655-06	.9.48E-07 2.11E-05
	2	. 1	87	88	16017.84	2	1640.31	6.0964	0.0400	0.0	0.0	_ 0.		0.0	0.0	1.03E-06
	3	2	87	88	10665.15	1	1641.08	6.0935	0.0400	0.0	0.0	_ 0.	•	0.0	1.23E-06	1.76E-05
	3	2	83	_84 _	16769.63	2	1641.58	6.0917	0.0400	0.0	0.0	0.		0.0	0.0	B.05E-07
	4	3	83	84	19388.37	1	1642.57	6.0880	0.0400	0.0	0.0	0.		0.0	0.0	1.25E-05
	_e	7	67	68	22759.69	1	1642.65	6.0877	0.0400	0.0	0.0	0.	0	0.0	0.0	1.33E-06
	1	0	94	95	17020.62	1	1642.90	6.0868	0.0400	0.0	0.0	٥.	0	0.0	2.17E-06	2.38E-05
	5	. 4	79	80	20160.30	1	1643.48	6.0846	0.0400	3.0	0.0	0.	0	0.0	0.0	7.99E-06
	7	6	71	72	21846.84	1	1643.53	6.0845	0.0400	0.0	0.0	0.	0	0.0	0.0	2.58€~06
	6	. 5	75_	76	20980,08	1	1643.80	6.0835	0.0400	0.0	0.0		0	0.0	0.0	4.70E-06
	1	٥	90	91	14993.09	2	1644.59	6.0805	0.0400	0.0	0.0	0.		0.0	0.0	1.22E-06
	2	1	90 ,	91	17660.10	1	1645.39	6.0776	0.0400	0.0	0.0	0.		0.0	2.24E-06	2.725-05
	2	t	86	87	15712.59	2	1646.28	6.0743	0.0400	0.0	0.0	0.		0.0	0.0	1.30E-06
	- 3.	. 8	_62	.63	23495.95	1 .	1646.63	6.0730	0.0400	0.0	0 • 0	0•		0.0	0.0	_7.65E-07
	3	2	86	87	18349.76	1	1647.33	6.0704	0.0400	0.0	0.0	0+		0.0	1.66E-06	2.24E-05
	3	-2	. 82	83	16479.69	2	1647.43	6.0701	0.0400	0.0	0.0	0.		0.0	0.0	1.01E-06
	4	3	78	79	17293.62	2	1648.04	6.0678	0.0400	0.0	0.0	0.		0.0	0.0	6.64E-07
	6		66_	<u> </u>	22522.63	1	1648.25	_6.0670	_0 <u>_04</u> 00	. 0.0	. ,0.0		<u> </u>	0.00	0.0	1.59E <u>-06.</u>

¥U	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT		ORPTION ** COU 2*ATM-1	FFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200'	T = 1500	T = 1800
	_													• •
4 7	3 6	82 70	83 71	19088-83		1648.69	6.0654	0.0400	0.0	0.0	0.0	0.0	1.03E-06	1.57E-05
í	a	93	94	21594.31	1	1649.26	6.0633	0.0400	0.0	0.0	0.0	0.0	0.0	3-12E-06
5	4	78	79	16676.52	1	1649.37	6.0629	0.0400	0.0	0.0	0.0	0.0	3.00E-06	3.11E-05
5 6	5	74	75	19876.52	1 1	1649.47	6.0626	0.0400	0.0	0.0	0.0	0.0	0.0	9.94E-06
1	0	89	90	14675.56	-	1649.67	6.0618	0.0400	0.0	0.0	0.0	0.0	0.0	5.77E-06
2	ī	89	90	17331.98		1650.65	6.0582	0.0400	0.0	0.0	0.0	0.0	0.0	1.55E-06
9	8	61	62	23277.50	1 1	1651.74 1652.07	6.0542	0.0400	0.0	0.0	0.0	0.0	3.05F-06	3.516-05
2	1	85	86	15410.46	2		6.0530	0.0400	0.0	0.0	0.0	0.0	0.0	8.99E-07
3	2	81	82	16192.90	2	1652.23 1653.26	6.0524 6.0487	0.0400	0.0 0.0	0.0	0.0	0.0	0.0	1.65E-06
3	2	85	86	18037.58	1	1653.55	6.0476	0.0400	0.0	0.0	0.0	0.0	0.0	1.26E-06
4	3	77	78	17022.07		1653.75	6.0469	0.0400	0.0	0.0	0.0	0.0	2.22E-06	2.86F-05
8	7	65	66	22288.82	1	1653.83	6.0466	0.0400	0.0	0.0	0.0	0.0	0.0	8.17E-07
4	3	81	82	18792.51	1	1654.79	6.0431	0.0400	0.0	0.0	0.0	0.0	1.36E~06	1.90E-06 1.98E-05
7	6	69	70	21345.04	ī	1654.98	6.0424	0.0400	0.0	0.0	0.0	0.0	0.0	3.77F-06
5	4	77	78	19595.97	î	1655.45	6.0407	0.0400	0.0	0.0	0.0	0.0	0.0	1-235-05
6	5	73	74	20447-11	ī	1655.51	6.0404	0.0400	0.0	0.0	0.0	0.0	0.0	7.06E-06
1	õ	92	93	16335.59	i	1655.82	6.0393	0.0400	0.0	0.0	0.0	0.0	4.13E-06	4.06E-05
1	ō	98	89	14361.15	ž	1656.70	6.0361	0.0400	0.0	0.0	0.0	0.0	0.0	1.98E-06
9	8	60	61	23062.32	1	1657.48	6.0333	0.0400	0.0	0.0	0.0	0.0	0.0	1.05E-06
2	1	88	89	17007.07	ī	1658.07	6.0311	0.0400	0.0	0.0	0.0	0.0	4 • 1 3E-06	4.52E-05
2	1	64		. 15111.48	2	1658.15	6.0308	0.0400	0.0	0.0	0.0	0.0	0.0	2.07F-06
3	2	80	81	15909.25	2	1659.07	6.0275	0.0400	0.6	0.0	0.0	0.0	0.0	1.56E~06
8	7	64	65	22058.29	1	1659.38	6.0263	0.0400	0.0	0.0	0.0	0.0	0.0	2.25E-06
4	3	76	77	16753.69	2	1659.43	6.0262	0.0400	0.0	0.0	0.0	0.0	0.0	1.00E-06
3	2	84	85	17728.62	1	1659.76	6.0250	0.0400	0.0	0.0	0.0	0.0	2.96E-06	3.63E-05
7	6	68	69	21099.03	1	1660.66	6.0217	0.0400	0.0	0.0	0.0	0.0	0.0	4.54E-06
4	3	80	61	18499.43	1	1660.87	6.0209	0.0400	0.0	0.0	0.0	0.0	1.79E-06	2.48E-05
6	5	72	73	20185.51	1	1661.33	6.0193	0.0400	0.0	0.0	0.0	0.0	0.0	8.61E-06
5	4	76	77	19318.68	1	1661.40	6.0190	0.0400	0.0	0.0	0.0	0.0	0.0	1.52E-05
1	0	91	92	15997.85	1	1662.25	6.0159	0.0400	0.0	0.0	0.0	0.0	5.67E-06	
1	0	87	88	14049.87	2	1662.72	6.0142	0.0400	0.0	0.0	0.0	0.0	0.0	2.52F-06
9	8	59	60	22850.43	1	1662.87		0,0400	0.0	0.0	0.0	0.0	0.0	1.23E-06
2	1	83	84	14815.63	2	1664.06	6.0094	0.0400	0.0	0.0	0.0	0.0	0.0	2.60F-06
2	1	87	88	16685.38	1	1664.38	6.0082	0.0400	0.0	0.0	_0 • 0	0.0	5.59E-06	
5	4	71	72	17393.93	2	1664.78	6.0068	0.0400	0.0	0.0	0.0	0.0	0.0	7.01E-07
3	2	79	80	15628.77	2	1664.86	6.0065	0.0400	0.0	0.0	0.0	0.0	0.0	1-94F-06
8	7	63	64	21831.04	1	1664.91	6.0063	0.0400	0.0	0.0	0.0	0.0	0.0	2.67E-06
4	3	75	76	16488.47		1665.10	6.0056	0.0400	0.C	0.0	0.0	0.0	0.0	_1.23È-06
3	2	83	84	17422.89	1	1665.94	6.0026	0.0400	0.0	0.0	0.0	0.0	3.93E-06	4.60E-05
7	6	67	68	20856.30	1	1666.33	6.0012	0.0400	0.0	0 • ō	0.0	0.0	0.0	5.45E-06
4	3	79	80	18209.59		1666.93	5.9991	0.0400	0.0	0.0	0.0	0.0	2.34E-06	3.10E-05
6	5	71	72	19927.18	1	1667-13	5.9983	0.0400	0.0	0.0	0.0	0.0,	0.0	1.05E-05
5	4	75	76	19044.64	1	1667.33	5.9976	0.0400	0.0	0.0	0.0	0.0	1.24E-06	1.88E-05
9	8	58	59	22641.83		_1668+24	5,9943	0.0400	0.0	0.0	0.0	<u> </u>	0.0	1.44E-06
1	0	90	91	15663.33		1668.65	5.9929	0.0400	0.0	0.0	0.0	0.0	7.75E-06	6.84E-05
1	0	86	87	13741.75		1668.72	5.9926	0.0400	0.0	0.0	0.0	0.0	. 0.0	3.20E-06
2	1	62	83	14522.95		1669.94	5+9882	0.0400	0.0	0.0	0.0	0.0	0.0	3.26E-06
5	4	70	71	17147.08		1670.30	5.9869	0.0400	0.0	0_0	0.0	0.0	0.0	8.45E-07
	7	62	63	21607.08		1670.41	5.9866	0.0400	0.0	0.0	0.0	0.0	0.0	3.15E-06
_ 3 .	2.	76,	. 7 <u>9</u> _	<u> 1535</u> 1.45		1670.62	5.9858_	0.0400	o•ō	0.0	0.0	<u> </u>	0.0	2.39F-06
2	1	86	67	16366.91		1670.66	5.9857	0.0400	0.0	0.0	0.0	0.0	7.52E-06	7.43E-05
4	3	74	ίā	_16226,44	2.	1670.74	5.9854	0.0400	0•0	0.0	0.0	0.0	0.0	1.50E-06

VU	٧L	Ju	JL	LOWER	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	*** INTEGRAT	ED ** ABSO	ORPTION ** CO	EFFICIENT *	****
				STATE ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
				ENERGI		C14 1	, C C	•••						
													0.0	6.52E-06
7	6	66	67	20616.86		1671-96	5.9810	0.0400	0.0	0.0	0 • 0 0 • 0	0 • Q 0 • C	5.21E-06	5.81E-05
3	2	82	83	17120.41	1	1672.10	5.9805	0.0400	0.0	0.0		0.0	0.0	1.27E-05
6	5	70	71	19672.14		1672.90	5.9776	0.0400	0.0	0.0	0.0	0.0	3.05F-06	3.86E-05
4	3	70	79	17923.02		1672.96	5.9774	0.0400	0.0	0.0	0.0	0.0		2.31E-05
5	4	74	75	18773.88	1	1673.23	5.9765	0.0400	0.0	0.0	,0•0	0.0	0.0	1.67E-06
9	e	57	58	22436.54	1	1673.57	5.9753	0.0400	0.0	0.0	0.0	0.0	0.0	4.06E-06
1	0	85	86	13436.77		1674.70	5.9712	0.0400	0.0	0.0	0-0	0.0	1.06≅~05	8.845-05
1	- 0	89	90	15332.04		1675.04	5.9700	0.0400	0.0	0.0	0.0	0.0		1,01E-06
5	4	65	70	16903.43		1675.80	5.9673	0.0400	0.0	.0.0	0.0_		0+0	4.08E-06
2	1	81	82	14233.45	2	1675.81	5.9673	0.0400	0.0	0.0	0.0	0.0	0.0	3.71E-06
8	7	61	62	21386.43	1	1675.89	5.9670	0.0400	0.0	0.0	0.0	0.0	0.0	1.82E-06
4	3	73	74	15967.60	2	1676.36	5.9653	0.0400	0.0	0.0	0.0	0.0		2.95E-06
3	2	77	78	15077.32	2	1676.36	5.9653	0.0400	0.0	0.0	0.0	0.0	2.0	9.48E-05
2	1	85	86	16051.69	1	1676.93	5.9633	0.0400	0.0	0.0	0.0	0.0	1.01E-05	7.79F-06
7	6	65	66	20380.71	1	1677.58	5.9610	0.0400	0.0	೧∙ 0	,0.0	0.0	0.0	
3	2	81	82	16821.19	1	1678.24	5.9586	0.0400	0+C	0.0	0.0	0.0	6.88E-06	7.31E-05 1.54E-05
6	5	69	70	19420.38	1	1678.65	5.9572	0.0400	0.0	0.0	0.0	0.0	0.0	1.93E-06
9	8	56	57	22234.55	1	1678.88	5.9564	0.0400	0.0	0.0	0.0	0.0	0.0	4.80E-05
4	3	77	78	.17639.71	1	1678.97	5.9560	0.0400	0.0	0.0	0.0	0.0	3.96E-06	
5	4	73	74	18506.41	1	1679.11	5.9555	0.0400	0.0	0.0	0.0	0.0	2.04E-06	2.83E-05
1	0	84	85	13134.97	2	1680.66	5.9500	0.0400	0.0	0.0	0.0	0.0	0.0	5.12F-06
5	4	68	69	16662.99	2	1681.27	5.9479	0.0400	0.0	0.0	0.0	0.0	0.0	1.225-06
8	7	60	61	21169.09	1	1681.34	5.9476	0.0400	0.0	0.0	0.0	0.0	0.0	4.356-06
1	0	88	89	15003.98	1	1681.40	5.9474	0.0400	0.0	0.0	0.0	0.0	1.44E-05	1.14E-04
2	1	60	81	13947.12	2	1681.65	5.9465	0.0400	0.0	0.0	0.0	0.0	0.0	5.08E-06
4	3	72	73	15711.97	2	1681.96	5.9454	0.0400	0.0	0.0	0.0	0.0	0.0	2.21E-06
3	2	76	77	14806.39		1682.08	5.9450		0.0	.0.0	Q.• C	0.0	. 0.0	3.63E-06
2	1	84	85	15739.73	1	1683.17	5.9412	0.0400	0.0	0.0	0.0	0.0	1.35E-05	1.21E-04
7	6	64	65	20147.87	1	1683.17	5.9412	0.0400	0.0	0.0	0.0	0.0	0.0	9.26E-06
9	8	55	56	22035.89	1	1684.17	5.9376	0.0400	0.0	0.0	O • C	0.0	0.0	5.53E-06
3	2	80	81	16525.24		1684.35	5.9370	0.0400	0.0	0.0	0.0	0.0	9.06E-06	. 9.18F-05
6	5	68	69	19171.93		1684.37	5.9369	0.0400	0.0	0.0	0.0	0.0	1.275-06	1.858-05
4	3	76	77	17359.69		1684.96	5.9349	0.0400	0.0	0.0	0.0	0.0	5.14F-06	5.956-05
5	4	72	73	18242.22		1684.96	5.9349	0.0400	0.0	0.0	0.0	0.0	2.60E-06	3.46E-05
6	5	63	64	17436.43		1685.32	5.9336	0.0400	0.0	0.0	0.0	0.0	0.0	7.25E-07
1	ō	83	84	12836.35		1686.60	5.9291	0.0400	0.0	0.0	0.0	0.0	1.15E-06	6.45E-06
5	4	67	68	16425.77		1686.72	5.9287	0.0400	0.0	0.0	0.0	0.0	0.0	1.45E-06
8	7	59	60	20955.06		1686.76	5.9285	0.0400	0.0	0.0	0.0	0.0	0.0	5.09E-06
2	ì	79	80	13663.99		1687.47	5.9260	0.0400	0.0	0.0	0.0	0.0	0.0	6.32E-06
4	Ē	71	72	15459.54		1687.53	5.9258	0.0400	0.0	0.0	0.0	0.0	0.0	2.68E-06
1	٥	87	88	14679.17		1687.75	5.9250	0.0400	0.0	0.0	0.0	0.0	1.956-05	1.47E-04
3	2	75	76	14538.66		1687.78	5.9249	0.0400	0.0	0.0	0.0	0.0	0.0	4.45E-06
7	6	63	64	19918.36		1688.73	5.9216	0.0400	0.0	0.0	0.0	0.0	0.0	1.10E-05
2	1	83	84	15431.03		1689.38	5.9193	C.0400	0.0	0.0	0.0	0.0	1 • 80 E- 05	1.53E-04
9	ê	54	55	21840.56		1689.43	5.9192	0.0400	0.0	0.0	0.0	p • c	0.0	2.57E-06
6	5	67	68	18926.79		1690.07	5.9169	0.0400	0.0	0.0	0.0	0.0	1.50E-06	2.236-05
3	2	79	80	16232.57		1690.44	5.9156	0.0400	0.0	0.0	0.0	0.0	1.19E-05	1.15E-04
6	5	62	63	17217.54		1690.62	5.9150	0.0400	0.0	0.0	0.0	0.0	0.0	8.53E-07
5	4	71	72	17981.34		1690.80	5.9144	0.0400	0.0	0.0	0.0	0.0	3.30F-06	4.225-05
4	3	75	76	17082.96		1690.92	5.9139	0.0400	0.0	0.0	0.0	0.0	6.63F-06	7.35E-05
5	4	66	67	16191.77		1692.14	5.9097	0.0400	0.0	0.0	0.0	0.0	0.0	1.73E-06
	7	58	59	20744.37		1692.16	5.9096	C.0400	0.0	0.0	0.0	0.0	0.0	5.95F-06
9	ó	82	83	12540.93		1692.52	5.9083	0.0400	0.0	0.0	0.0	0.0	1.516-06	8.09E-06
1	J	92	03	12240193	, _	1092132	34,000	•••••						

U	٧L	JŲ	JL_	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRAT		PTION ** CO	FFICIENT **	****
				ENERGY		CH-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 180
4	3	70	71	,15210.34	2	1693.09	5.9064	0.0400	0.0	.0.0	0.0	. 0 • 0	0.0	3.24E-0
2	. 1	78	79	13384.06	2	1693.27	5.9057	0.0400	0.0	0.0	0.0	0.0	1.28E-06	7.83E-0
3	. 2	7,4		14274.14	2	1693.46	5.9051	0.0400	0.0	0.0	0.0	0.0	0.0	5.45F-0
1	0	86	87	14357.63	1	1694.07	5.9029	0.0400	0.0	0.0	0.0	1.21E-06	2.63E-05	1.88E-
7	6	62	63	19692.16	1	1694.27	5.9022	0.0400	0.0	0.0		0.0	0.0	_1.30E=
9,	8	53	54	21648.56	1	1694.66	5.9009	0.0400	0.0	0.0	0.0	0.0	0.0	2.95E-
2	1	62	83 '	15125.61	1	1695.58	5.8977	.0.0400	0.0	0.0	0.0	0.0	2,395-05	1.94E-0
6	5	66	67	18684.96	1	1695.74	5.8971	0.0400	0.0	0.0	0.0	0.0	1.87E-06	2.67E-
6	. 5	.61_	62	17001,87	_ 2 _	1695.89	5,8966	0.0400	_0.0	0.0	0.0	0.0	0.0	1.00F-
3	2	78	79	15943.20	1	1696.51	5.8945	0.0400	0.0	0.0	0.0	0.0	1.56E-05	1.44E-0
5	4	70	71	17723.78	1	1696.60	5.8941	0.0400	0.0	0.0	0.0	0.0	4.18E-06	5.13E-0
4	3	74	75	16809.55	1	1696.86	5.8932	0.0400	0.0	0.0	0.0	0.0	8.53E-06	9.05E-0
8	7	57	58	20537.02	1	1697.54	5.8909	0.0400	0.0	0.0	0.0	0.0	0.0	6.92E-
5	4	65	66	15961.02	2	1697.55	5.8908	0.0400	0.0	0.0	0.0	0.0	0.0	2.06E-
1	0	81	82	12248.70	2	1698.41	5.8879	0.0400	0.0	.0.0	0,0	0.0	1 - 98E-06	
4	3	69	70	14964.37	2	1698.62	5.8871	0.0400	0.0	0.0	0.0	0.0	0.0	3.905-
2	1	77	78	13107.35	2	1699.04	5.8857	0.0400	0.0	0.0	0.0	0.0	1.65E-06	9.67E-
3	2	73	74	14012.86	2	1699.11	5.8854	0.0400	0.0	0.0	0.0	0.0	0.0	6.65E-
7	6	61	62	19469.31	1	1699.78	5.8831	0.0400	0.0	0.0	0.0	0.0		_1.53E-
9	8	52	53	21459.91	1	1699.86	5.8828	0.0400	0.0	0.0	0.0	0.0	0.0	3.38E-
1	0	85	86	14039.36	. 1 .	1700.36	5.8811	0.0400	0.0	0.0	0.0	1.758-06	3.54E-05	2.41E-
6	5	60	61	16789.46	2	1701.14	5.8784	0.0400	0.0	0.0	0.0	0.0	0.0	1.17E-
6	5	65	66	18446.48	1	1701.39	5.8775	0.0400	0.0	0.0	0.0	0.0	2.32E-06	3.50E-
2	1	81	82	14823.48	1	1701:75	5.8763	0.0400	0.0	0.0	0.0	1.30E-06	3.17E-05	2.45E-
5	4	69	70	17469.54	1	1702.39	5.8741	0.0400	0.0	0.0	0.0	0.0	5-27E-06	6.22E-
3	2	77	78	15657.13	1	1702.56	5.8735	0.0400	0.0	0.0	0.0	0.0	2.03E-05	1.79F-
4	Ε	73	74	16539.45	, 1	1702.77	5.8728	0.0400	0.0	0.0	0.0	0.0		1.11E-
6	7	56	57	20333.01	1	1702.88	5.8724	0.0400	0.0	0.0	0.0	0.0	0.0	8.04E-
5	4	64	65	15733.51	2	1702.92	5.8723	0.0400	0.0	0.0	0.0	0.0	0.0	2.445-
4	3	68	69	14721.64	2	1704.12	5.8681	0.0400	0.0	0.0	0.0	0.0	0.0	4.68E-
1	0	80	81	11959.70	2	1704.29	5.8675	0.0400	0.0	0.0	0.0	0.0	2.59E-06	1.275-
3	2	72	73	13754.80	2	1704.74	5.8660	0.0400	0.0	0.0	0.0	0.0	1.24E-06	8.085-
2	1	76	77	12833.86	2	1704.80	5.8658	0.0400	0.0	0.0	0.0	0.0	2.12E-06	
9	8	5 l	52	21274.62	1	1705.04	5.8650	0.0400	0.0	0 • 0	0.0	0.0	0.0	3.86E-
7	6	60	61	19249.80	1	1705.26	5.8642	0.0400	0.0	0.0	0.0	0.0	1.156-06	1.805-
6	5	59	60	16580.31	2	1706.37	5.8604	0.0400	0.0	0.0	0.0	0.0	0.0	1.36E-
1	0	84	85	13724.39	1	1706.64	5.8595	0.0400	0.0	0.0	0.0	2.53E-06	4.75E-05	3.08E-
6	5	64	65	18211.34	1	1707.02	5.8582	0.0400	0.0	0.0	0.0	0.0	2.87F-06	3.81E-
2	1	80	81	14524.67	1	1707.90	5.8551	0.0400	0.0	0.0	0.0	1.84F-06	4.19E-05	3.08E-
5	4	68	69	17218.64	1	1708.15	5.8543	0.0400	0.0	0.0	0.0	0.0	6.63E-06	7.51F-
8	7	55	56	20132.36	1	1708.20	5.8541	0.0400	0.0	0.0	0.0	0.0	0.0	9.30F-
5	4	63	64	15509.25	2	1708.28	5.8538	0.0400	0.0	0.0	0.0	0.0	0.0	2.88E-
3	2	76	77	15374.38	1	1708.58	5.8528	0.0400	0.0	0.0	0.0	0.0	2.63E-05	2.22F-
4	3	72	73	16272.68	1	1708.67	5.8525	0.0400	0.0	0.0	0.0	0.0	1.40E-05	1.36E-
4	3	67	68	14482.17	2	1709.60	5.8493	0.0400	0.0	0.0	0.0	0.0	0.0	5.60E-
1	0	79	80	11673.92	2	1710.14	5.8475	0.0400	0.0	0.0	0.0	0.0	3.38E-06	1.58F-
9	8	50	51	21092.69	1	1710.19	5.8473	0.0400	0.0	0.0	0.0	0.0	0.0	4.395-
3	2	71	72	13499.99	2	1710.35	5.8468	0.0400	0.0	0.0	0.0	0.0	1.57E-06	9.80E-
2	1	75	76	12563.62	2	1710.53	5.8461	0.0400	0.0	0.0	0.0	0.0	2.73E-06	1.475-
7	6	59	60	19033.64	1	1710.72	5.8455	0.0400	0.0	0.0	0.0	0.0	1.405-06	
6	5	58	59	16374.42	2	1711.57	5.8426	0.0400	0.0	0.0	0.0	0.0	0.0	2.11E- 1.59E-
6	5	63	64	17979.55	ī	1712.61	5.8390	0.0400	0.0	0.0	0.0	0.0	3.54E-06	4.53F~
u														

VU VL JU JL	LOWER CO	DE WAY		HALF Width	****	** INTEGRAT	ED ** ABSOR	PTION ** CO! ATM-1	EFFICIENT *	******
	ENERGY	CM-		N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
						•				
8 7 54 55	19935.07 1	1713	50 5.8360	0.0400	0.0	0.0	0.+0	0.0	0.0	1.07E-05
	15288.27 2			0.0400	0.0	0.0	0.0	0.0	0.2	3.39E-06
	16971.09 1			0.0400	0.0	0.0	0.0	0.0	8.31E-06	9.05E-05
	17315.80 2			0.0400	0.0	0.0	0.0	0.0	0.0	7.94E-07
	14229,17 1			0.0400	0.0	0.0	0.0	2.60E-06	5.51E-05	3.87E-04
	16009-24 1			0.0400	0.0	0.0	0.0	0.0	1.786-05	1.665-04
3 2 75 76	15094.96			0.0400	0.0	0.0	0.0	1.31E-06	3.41E-05	2.756-04
4 3 66 67	14245.95 2			0.0400	0.0	0.0	0.0	0.0	0.0	6.68F-06
9 8 49 50	20914.12 1	17,15	31 5.8299	0.0400	0.0	_0 • O	Q.Q.	0.0	0.0	4.98E-06
	13248.44 2	17:15	94 5.8277	0.0400	0.0	0.0	0.0	0.0	1.985-06	1.19E-05
1 0 78 79	11391.37 2	1715	97 5.8276	0.0400	0.0	0.0	0.0	0.0	4.39E-06	1.96E-05
7 6 58 59	18820.86 1	1716	16 5.8270	0.0400	0.0	0 • C	0.0	0.0	1.69E-06	2.47F-05
2 1 74 75	12296.62 2	1716	24 5.8,267	0.0400	0.0	0.0	0.0	0.0	3.48E-06	_1.80E-05
6 5 57 58	16171.80 2	1716	74 5.8250	0.0400	0.0	0.0	0.0	0.0	0.0	1.84E-06
_65_6263	17751:12. 1	1718	19 ,5.8201	0.0400	0.0	0.0	0.0	0.0	4.35E-06	5.37E-05
	19741.15 1	1718	76 5.8181	0.0400	0.0	0.0	0.0	0.0	0.0	1.23E-05
5, 4 61 62	15070.55 2	1718	92 5.8176	0.0400	0.0	0.0	0.0	0.0	0.0	3.98F-06
7 6 52 53	17131.43 2	1718		0.0400	0.0	0.40	0.0	0.0	0.0	9.06E-07
10_8283_	13104.36 1		•	0.0400	0 • C	0.0	0.0	5.23E-06	8.46E-05	4.97F-04
=	16726.89			0.0400	0.0	0.0	0.0	0.0	1.04E-05	1.09F-04
	1,3937.00 1			0.0400	0+0	0.0	0+0	3.666-06	7.22E-05	4.85E-04
	15749.16 1			0.0400	0.0	0.0	0.0	0.2	2.26E-05	2.03E-04
9 8 48 49	20738.93 1			0.0400	0.0	0.0	0.0	0.0	0.0	5.63E-06
	14013.01 2			0.0400	0.0	0.0	0.0	0.0	1.17E-06	7.95E-06
	14818.89 1			0.0400	0.0	0.0	0.0	1,80E-06	4.40E-05	3.40E-04
3 2 69 70	13000.15 2			0.0400	0.0	0.0	0.0	0.2	2.48F-06	1.43E-05
7 6 57 58	<u> 18611.44 J</u>			0.0400	0+0	0.0	0.0_	0.0	2.04E-06	2.42E-05
	11112.08 2			0.0400	0.0	0.0	0.0	0.0 0.0	5.68E-06 0.0	2.13E-06
6 5 56 57	15972.47 2			0.0400	0.0	0.0	0.0	0.0	4.44E-06	2.19E-05
2 1 73 74	12032.87 2			0.0400	0.0	0.0	0.0	0.0	5.32E-06	6.34E-05
6 5 61 62	17526.07 1			0.0400	0.0	0.0	0.0 0.0	0.0	0.0	1.03E-06
	16950.35 2			0.0400	0.0	0.0	0.0	0.0	0.0	1.416-05
	19550,62 1			_ 0.0400 0.0400	0.0 0.0	0.0	0.0	0.0	0.0	4.66E-06
	14856-11 2			0.0400		0.0	0.0	0.0	1.29E~05	1.30E-04
	16486.06 1			0.0400	0.0	0.0	0.0	7.48E-06	1.12E-04	6.29E-04
	12799.33 1 20567.13 1			0.0400	0.0	0.0	0.0	0.0	0.0	6.35F-06
9 8 47 48 4 3 64 65	13783.34			0.0400	0.0	0.0	0.0	0.0	1.44E-06	9.43E-06
	15492.44 1			0.0400	0.0	0.0	0.0	0.0	2.86E-05	2.46E-04
	13648.17			0.0400	0.0	0.0	0.0	5.12E-06	9.44E-05	6.05E-04
2 1 77 78 3 2 73 74	14546.17			0.0400	0.0	0.0	0.0	2.47E-06	5.655-05	4.18E-04
	18405.41			0.0400	0.0	0.0	0.0	0.0	2.45E-06	3.35F-05
6 5 55 56	15776.43 2			0.0400	0.0	0.0	0.0	0.0	0.0	2.45E-06
	12755.13 2			0.0400	0.0	0.0	0.0	0.0	3-10E-06	1.725-05
	10836.05 2			0.0400	0.0	0.0	0.0	0.0	7.33E-06	S.99E-05
	11772.40 2			0.0400	0.0	0.0	0.0	0.0	5.64E-06	2.67E-05
7 6 50 51	16772.57 2			0.0400	0.0	0.0	0.0	0.0	0.0	1.17F-06
6 7 51 52	19363.47			0.0400	0.0	0.0	0.0	0.0	1.01E-06	1.62E-05
6 5 60 61	17304.39			0.0400	0.0	0.0	0.0	0.0	6.50F-06	7.47E-05
5 4 59 60	14644.96 2			0.0400	0.0	0.0	0.0	0.0	0.0	5.44F-06
9 8 46 47	20398.72 1			0.0400	0.0	0.0	0.0	0.0	0.0	7-136-06
5 4 64 65	16248.61			0.0400	0.0	0.0	0.0	0 • 0	1.60F-05	1.56E-04
4 3 63 64	13556.96 2			0.0400	0.0	0.0	0.0	0.0	1.77E-06	1 • 1 2E-05
				-						

VU	VU	٧L	JU	JL,	LOWER State	CODE	WAVE Number	WAVE LENGTH	HÄLF WIDTH	******* INTEGRATED ** ABSORPTION ** COEFFICIENT ******* CM-2*ATM-1					
					ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	1	o	80	81	12497.64	. 1	1731.52	5.7753	0.0400	0.0	0.0 1	0.0	1.06F-05	1 - 405-04	7.93E-04
	4	3	68	69	15239.10	1	1731.99	5.7737	0.0400	0.0	0.0	0.0	1.34E-06	3.60E-05	2.98E-04
	6	5	54	55	15583.68		1732.12	5.7733	0.0400	0.0	0.0	0.0	0.0	0.0	2.82E-06
	2	1	76	77	13362.69		1732.28	5.7727	0.0400	0.0	0.0	0.0	7.14F-06	1.23E-04	7.53E-04
	7	6	55	56	18202.77		1732.30	5.7727	0.0400	0.0	0.0	0.0	0.0		. 3-89E-05.
	3	2	72	73	14276.81		1732.43	5.7722	0.0400	0.0	0.0	0.0	3.38E-06	7-24E-05	
	3	2	67	68	12513.40		1732.55	5.7718	0.0400	0.0	0.0	0.0	0.0	3.86E-05	5.13E-04
	2	1	71	72	11515.21		1733.23	5.7696	0.0400	0.0	0.0	0.0	0.0		2.06E-05
	1	0	75	76	10563.28		1733.34	5.7692	0.0400	0.0	0.0	0.0_	1.07E-06	7.14E-06 9.43E-06_	3.25E-05
	7	6	49	50	16598.08		1733.89	5.7674	0.0400	0.0	0.0	0.0	0.0	0*0 - 45≝=776 -	
	8	7	50	51	19179.72		1734.40	5.7657	0.0400	0.0	0.0	0.0	0.0		1.32E-06
	5	4	58	59	14437.11		1734.69	5.7647	0.0400	0.0	0.0	0.0	0.0	1.19E-06	1.845-05
	6	5	59	60.	17086.11		1734.75	5.7645	0.0400	0.0	0.0	0.0		0.0	6.34E-06
	9	8	45	46	20233.70		1735.52	5.7620	0.0400	0.0	0.0	0.0	0.0 0.0	7.90E-06	8,7,7E-05.
	5	4	63	64	16014.55		1736-57	5.7585	0.0400	0.0	0.0	_0.0		0.0	7.99E-06
	4	3	62	63	13333.88		1736.66	5.7582	0.0400	0.0	0.0	0.0	Q • Q_		1.85E-04
	6	5	53	54	15394.23		1737.20	5.7564	0.0400	0.0	0.0		0.0	2.16E-06	1.32E-05
	7	6	54	55	18003.52		1737.63	5.7550	C.0400	0.0	0.0	0.0	0.0	0.0	3.23E-06
	1	0	79	80	12199.31		1737.69	5.7548	0.0400	0.0	0.0	0.0	0.0	3.49E-06	4.49E-05
	4	3	67	68	14989.13		1737.76	5.7545	0.0400	0.0		0.0	1,51E-05	1.96E-04	9.98E-04
	3	2	66	67	12274.96		1738.05	5.7536	0.0400	0.0	0.C 0.0	0.0	1.78E-06	4.53E-05	3.60E-04
	2	1	75	76	13080.58		1738.31	5.7527	0.0400	0.0		0.0	0.0	4.80E-06	2-46E-05
	3	2	71	72	14010.82		1738.34	5.7526	0.0400	0.0	0.0	0.0	9.91F-06	1.59E-04	9.34E-04
	7	6	48	49	16426.90		1738.80	5.7511	0.0400	0.0	0.0	0.0	4.60E-06	9.24E-05_	
	2	1	70	71	11261.30		1738.85	5.7509	0.0400	0.0	0.0	0.0	0.0	0.0	1.49E-06
	1	0	74	75	10293.79		1739.08	5.7502	0.0400	0.0		0.0	0.0	9,01E-06	7.94E-05
	8	7	49	50	18999.38		1739.56	5.7486	0.0400	0.0	0.0	0.0	1.47E-06	1.21E-05	4.53E-05
	5	4	57	58	14232.57		1739.90	5.7475	0.0400	0.0	0.0 0.0	_0.0		_ 1.39E~06_	2.09E-05
	6	5	58	59	16871.22		1740.22	5.7464	0.0400	0.0	0.0	0.0	0.0	1.05E-06	7.36E-06
	9	e	44	45	20072.09		1740.51	5.7454	0.0400	0.0	0.0	0.0	0.0	9.57E-06	
	4	3	61	62	13114.11		1742.00	5.7405	0.0400	0.0	0.0	0.0	0.0	0.0	8.92E-06
	5	4	62	63	15783.89		1742.18	5.7399	0.0400	0.0	0.0	0.0	_ 0.0	2.64E-06	
	6	5	52	53	15208.11		1742.25	5.7397	0.0400	0.0	0.0		0.0	2.44E-05	2.20E-04
	7	6	53	54	17807.68		1742.93	5.7375	0.0400	0.0	0.0	O.• O			3.69E-06
	4	3	66	67	14742.56		1743.51	5.7356	0.0400	0.0	0.0	0.0	0.0	4-15E-06	5.17E-05
	3	2	65	66	12039.83		1743.52	5.7355	0.0400	0.0		0.0	2.36E-06	5.67E-05	
	7	6	47	48	16259.04		1743.69	5.7350	0.0400	0.0	0.0	0.0	0.0	5.93E-06	2.94E-05
	1	Ö	78	79	11904.34		1743.83	5.7345	0.0400	0.0	0.0	0.0	,0.0	.0.0	1.67E-06
	3	2	70	71	13748.23		1744.22	5.7332	0.0400		0.0	0.0	2.12E-05	2.58E-04	1.25E-03
	2	1	74	75	12801.85		1744.32	5.7329	0.0400	0.0	0.0	0.0	6.23E-06	1.18F-04	7,66E-04
	2	i	69	70	11010.69		1744.45	5.7325	0.0400	0.0	0.0	0.0	1.37E-05	2.05E-04	1.16E-03
	8	7	48	49	18822.44		1744.69			0.0	0.0	0.0	1-16E-06	1.136-05	4.76E-05
	1	ċ	73	74	10027.60	-	1744.80	5.7317 5.7313	0.0400 C.0400	0.0	0.0	0.0	0.0	1.62E-06	2.37E-05
	5	4	56	5 7	14031.34		1745.08	5.7304	0.0400	0.0	0.0	0.0	2.00E-06	1.546-05	5.54E-05
	9	8	43	44	19913.90		1745.46	5.7291	0.0400	0.0	0.0	0.0	0.0	1.25E-06	8.52E-06
	6	5	57	58	16659.74		1745.67	5.7291	0.0400	0.0	0.0	.0.0	0.0	_0.0_	9.92F-06
	6	5	51	52	15025.29		1747.27	5.7232	0.0400	0.0	0.0	0.0	0.0	1.16E-05	1-20E-04
	Ă.	3	60	61	12897.64		1747.32	5.7231	0.0400	0.0	0.0	0.0	0.0	0.0	4 • 20E-06
	5	4	61	62	15556.63		1747.76	5.7216	0.0400	0+0	0.0	0.0	0.0	3.20E~06	1.82E-05
,	7	6	52	53	17615.26		1748.21	5.7216		0.0	0.0	0.0	1.03E-06	8+99E-05	2.60E-04
	7	6	46	47	16094.49		1748.55		0.0400	0.0	0.0	0.0	0.0	4.91E-06	5.94E-05
	3	2	64	65	11808.00			5.7190	0.0400	0.0	0.0.	0.0.	0.0	. 2.2	1.87E-06
	4	3	65	66	14459.39		1748.96	5.7177	0.0400	0.0	0.0	0.0	0.0	7.32E-06	3.49E-05
	•	-			>7439	•	1749.23	5.7168	0.0400	0.0	O•¢	_0.0	J.13F-06	7.07E-05	5.20E-04

VU	٧L	UL	JL	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	*****	**** INTEGRA	ATED ** ABSORE		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	NS.	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
													_	m 47 , .
8	7	47	48	18648.93	1	1749.79	5.7150	0.0400	0.0	0.0	0.0	0.0	1.87F-06	2.67E-05
ī	ò	77	78	11612.75	1	1749.94	5.7145	0.0400	0.0	0.0	0.0	2.98F-05	3.38E-04	1.57€-03
2	ī	68	69	10763.38	Ž	1750.02	5.7142	0.0400	0.0	0.0	0.0	1.54E-06	1.42E-05	5.73E-05
3	2	69	70	13489.02	1	1750.07	5.7141	0.0400	0.0	0.0	0.0	8.40E-06	1.49E-04	9.32E-04
5	4	55	56	13833.44	ž	1750.24	5.7135	0.0400	0.0	0.0	0.0	0.0	1.49E-06	9.84E-06
2	1	73	74	12526.50	1	1750.31	5.7133	0.0400	0.0	0.0	0.0	1.89E-05	2.66E-04	1.43E-03
9	8	42	43	19759.12	1	1750.39	5.7130	0.0400	0.0	0.0	0.0	0.0	0.0	1.10E-05
1	ō	72	73	9764.71	2	1750.50	5.7127	0.0400	0.0	0.0	0.0	2.71E-06	1.97E-05	6.76E-05
6	5	56	57	16451.68	ī	1751.08	5.7108			0.0	0.0.	0.0		1.40E-04
6	5	50	51	14845.80	2	1752.27	5.7069	0.0400	0.0	0.0	0.0	0.0	0.0	4.77E-06
4	3	59	60	12684.50	2	1752.61	5.7058	0.0400	0.0	0.0	0.0	0.0	3.87E-06	2.12E-05
5	4	60	61	15332.79	1	1753.32	5.7035	0.0400	0.0	0.0	0.0	1.325-06	3.66E-05	3.07E-04
7	6	45	46	15933.27	2	1753.39	5.7032	0.0400	0.0	0.0	0.0	0.0	0.0	2.09E-06
7	6	51	.52	17426.27	ī	1753.46	5.7030	0.0400	0.0	0.0	0.0	0.0	5.79E-06	6.805-05
3	2	63	64	11579.50	2	1754.38	5.7000	0.0400	0.0	0.0	0.0	0.0	8.99E-06	4.14E-05
8	7	46	47	16478.84	1	1754;87	5.6984	0.0400	0.0	0.0	0.0	0.0	2.17E-06	3.01E-05
4	3	64	65	14259.63	ï	1754.92	5.6983	0.0400	0.0	0.0	0.0	4 • 1 1F-06	8.79E-05	6.22E-04
9	8	41	42	19607.77	1	1755-29	5.6971	0.0400	0.0	0.0	0.0	0.0	0.0	1.22E-05
5	4	54	55	13638.86	2	1755.38	5.6968	0.0400	0.0	0.0	0.0	0.0	1.77E-06	1.13E-05
5	1	67	68	10519.39	2	1755.57	5.6962	0.0400	0.0	0.0	0.0	2.04E-06	1.77E-05	6.88E-05
3	2	68	69	13233.23	1	1755.90		0.0400	0.0	0.0	0.0	1.135-05	1.88E-04	1.13E-03
1	ō	76	77	11324.54	1	1756.04	5.6946	0.0400	0.0	0.0	0.0	4 • 1 7E-05	4.41F-04	1.95E-03
1	ō	71	72	9505.12		1756.17	5.6942	0.0400	0.0	0.0	0.0	3 66F-06	2.49E-05	8 . 23E-05
2	1	72	73	12254.55	1	1756.27	5.6939	0.0400	0.0	0.0	0.0	2.59E-05	3.41E-04	1.75E-03
6	5	55	56	16247.05	ī	1756.47	5.6932	0.0400	0.0	0.0	0.0	0.0	1.67E-05	1.62E-04
6	5	49	50	14669.65	ż	1757.25	5.6907	0.0400	0.0	0.0	0.0	0.0	0.0	5.40E-06
4	3	58	59	12474.70	ž	1757.88	5.6887	0.0400	0.0	0.0	0.0	.0.0.	4.67F-06	2.48F-05
7	6	44	45	15775.39	2	1758.20	5.6876	0.0400	0.0	0.0	0.0	0.0	0.0	2.33E-06
7	6	50	51	17240.70	1	1758.68	5.6861	0.0400	0.0	0.0	0.0	0.0	6.81E-06	7.76E-05
5	4	59	60	15112.37	1	1758.85	5.6855	0.0400	0.0	0.0	0.0	1.70E-06	4.45E-05	3.61E-04
3	2	62	63	11354.33	ż	1759.78	5.6825	0.0400	0.0	0.0	0.0	1.04E-06	1.10E-05	4.89E-05
8	7	45	46	18312.18	ī	1759.91	5.6821	0.0400	0.0	0.0	0.0	0.0	2.49E-06	3.376-05
9	à	40	41	19459.85	î	1760.16	5.6813		0.0	0.0	0.0	.0.0	0.0	1_34E-05
5	4	53	54	13447.62	2	1760.49	5.6802	0.0400	0.0	0.0	0.0	0.0	2.09E-06	1.30E-05
4	3	63	64	14023.30	1	1760.59	5.6799	0.0400	0.0	0.0	0.0	5.39F-06	1 . 09E-04	7.42E-04
5	ī	66	67	10278.73	2	1761.09	5.6783	0.0400	0.0	0.0	0.0	2.69F-06	2.20E-05	8.246-05
3	2	67	68	12980.85	ī	1761.71	5.6763	0.0400	0.0	0.0	0.0	1.51E-05	2.37E-04	1.37E-03
1	ō	70	71	9248.86	â	1761.83	5.6759	0.0400	0.0	0.0	0.0	4.91E-06	3.15E-05	1.00E-04
6	5	54	55	16045.84	ī	1761.84	5.6759	0.0400	0.0	0.0	0.0	0.0	1.99E-05	1.88E-04
ĭ	ō	75	76	11039.74	i	1762.11	5.6750	0.0400	0.0	0.0	1.06E-06	5.81E-05	5.74E-04	2.43E-03
ė	5	48	49	14496.84	2	1762-19	5.6748	0.0400	0.0	0.0	0.0	0.0	0.0	6.09E-06
2	ĭ	71	72	11986.02	ĩ	1762.21	5.6747	0.0400	0.0	0.0	0.0	3.53F-05	4.376-04	2.15F-03
7	6	43	44	15620.85	ż	1762.98	5.6722	0.0400	0.0	0.0	0.0	0.0	0.0	2.58E-06
4	3	57	58	12268.22	2	1763.12	5.6718	0.0400	0.0	0.0	0.0	0.0	5.61E-06	2.68E-05
7	6	49	50	17058.57	i	1763.87	5.6694	0.0400	0.0	0.0	0.0	0.0	7.97F-06_	8.82E-05
5	4	58	59	14895.39	i	1764.35	5.6678	0.0400	0.0	0.0	0.0	2.17E-06	5.41E-05	4.24E-04
8	7	44	45	18148.97	1	1764.93	5.6659	0.0400	0.0	0.0	0.0	0.0	2.86E-06	3.77E-05
9	á	39	40	19315.37	i	1765.00	5.6657	0.0400	0.0	0.0	0.0	0.0	0.0	1.47E-05
3	2	61	62	11132.49	ż	1765.15	5.6652	0.0400	0.0	0.0	0.0	1.33F-06	1.34E-05	5.76E-05
5	Ā	52	53	13259.72	2	1765.15	5.6639	0.0400	0.0	0.0	0.0	0.0	2.47E-06	1.49E-05
4	3	62	63	13790.39	1	1766.23	5.6618	0.0400	0.0	0.0	0.0	7.03E-06	1.34E-04	
2	1	65	66	10041.41	2	1766.60	5.6606	0.0400	0.0	0.0	0.0	3.52E-06	2.73E-05	8.82E-04
6	5	47	48	14327.37		1767.12	5.6589	0.0400	0.0	0.0				9.84E-05
~	-	٠,	70		-	1,0,416	310309	00000		V . V	0.0	0_0	0.0	6.85E-06

VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORI		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
, 6	5	53	54	15848.09	1	1767.18	5.6587	0.0400	0.0	0.0			0 375 65	
1	õ	69	70	8995.93	ż	1767.46	5.6578	0.0400	0.0	0.0	0.0	0.0 6.58F-06	3.97E-05	2.176-04_
3	2	66	67	12731.90	ĩ	1767.49	5.6577	0.0400	0.0	0.0	2.0	2.01F-05	2.97E-04	1.21E-04 1.65E-03
7	6	42	43	15469.65	2	1757.74	5.6569	0.0400	0.0	0.0	0.0	0.0	0.0	2.85E-06
2	1	70	71	11720.90	1	1768.13	5.6557	0.0400	0.0	0.0	0.0	4.79E-05	5.57E-04	2.63E-03
ī	ō	74	75	10758.35	ī	1768.15	5.6556	0.0400	0.0	0.0	1.64E-06	8.06E-05	7.44E-04	3.01E-03
4	3	56	57	12065.10	ž	1768.34	5.6550	0.0400	0.0	0.0	0.0	0.0	6.72E-06	3.34E-05
7	6	48	49	16879.89	ī	1769.04	5.6528	0.0400	0.0	0.0	0 • Q	0.0	9.29F-06	1.00E-04
9	3	38	39	19174.33	1	1769.81	5.6503	0.0400	0.0	0.0	0.0	0.0	1.04E-06	1.61F-05
5	4	. 57	58	14681.85	1	1769.83	5.6503	0.0400	0.0	0.0	0.0	2.77F-06	6.556-05	4.96E-04
8	7	43	44	17989.20	1	1769.92	5.6500	0.0400	0.0	0.0	0.0	0.0	3.27E-06	4.20E-05
3	2	60	61	10914.00	2	1770.50	5.6481	0.0400	0.0	0.0	0.0	1.71E-06	1.63E-05	6.77E-05
5	4	51	52	13075.18	2	1770.63	5.6477	0.0400	C • O ,	0.0	0.0	0.0	2.90E-06	1.70E-05
4	3	61	62	13560.93	1	1771.85	5.6438	0.0400	0.0	0.0	0.0	9.135-06	1.65E-04	1.05E-03
6	5	46	47	14161.26	2	1772.01	5.6433.	0.0400	0.0	0.0	0.0	0.0	1.10E-06	7.68E-06
2	1	64	65	9807.43	2	1772.07	5.6431	0.0400	0.0	0.0	0.0	4.61F-06	3.38E-05	1.17F-04
7	6	41	42	15321.80	2	1772.47	5.6418	0.0400	0.0	0.0	0.0	0.0	0.0	7.15E-06
6	5	52	53	15653.78	1	1772.49	5.6418	0.0400	0.0	0.0	0.0	0.0	2.82E-05	2.49E-04
t	O	68	69	8746.33	2	1773.06	5.6400	0.0400	0.0	0.0	0.0	8.77E-06	4.995-05	1.46E-04
3	2	65	66	12486.39	1	1773.24	5.6394	0.0400	0.0	0.0	0.0	2.66F-05	3.72E-04	1.98E-03
4	3	55	56	11865.33	2	1773.53	5.6385	0.0400	0.0	0.0	0.0	0.0	8.02E-06	3.86E-05
2	1	69	70	11459.21	1	1774.02	5.6369	0.0400	0.0	0.0	0.0	6.48E-05	7.08E-04	3.21E-03
1	0	73	74	10480.37	1	1774.18	5.6364	0.0400	0.0	0.0	2.52E-06	1.11E-04	9.61E-04	3.726-03
7	6	47	48	16704.66	1	1774.18	5.6364	0.0400	0.0	0.0	0.0	0.0	t - 08E-05	1.13E-04
9	8	37	38	19036.74	1	1774.59	5.6351	0.0400	0.0	0.0	0.0	0.0	1.16E-06	1.76E-05
8	7	42	43	17832.88	1	1774.89	5.6342	0.0400	0.0	0.0	0.0	0.0	3.72F-06	4.67E-05
5	4	56	57	14471.76		1775.29	5.6329	0.0400	0.0	0.0	0.0	3.51E-06	7.90E-05	5.78E-04
É	4	50	51	12893.99	2	1775.66	5.6317	0.0400	0.0	0.0	0.0	0.0	3.39E-06	1.93E-05
3	2	59	60	10698-87	2	1775.83	5.6312	0.0400	0.0	0.0	0.0	2.18E-06	1 • 98E-05	7.93E-05
6	5	45	46	13998.51	2	1776.88	5.6278	0.0400	0.0	0.0	0.0	0.0	1.27E~06	8.58E-06
7	6	40	41	15177.32	2	1777.17	5.6269	0.0400	0.0	0.0	0.0	0.0	0.0	3.46F-06
4	3	60	61	13334.93	1	1777-45	5.6260	0.0400	0.0	0 • Q	0.0	1 • 1 8E-05	2.02E-04	1.24E-03
2	1	63	64	9576.80	2	1777.53	5.6258	0.0400	0.0	0.0	0.0	5.99E-06	4.16E-05	1.39E-04
6	5	51	52	15462.93	1	1777.77	5.6250	0.0400	0.0	0.0	0.0	1.17E-06	3.37E-05	2.86E-04
1	0	67	68	8500.09	2	1778.64	5.6223	0.0400	0.0	0+0	0.0	1.16E-05	6.24E-05	1.76F-04
4	3	54	55	11668.92	2	1778.70	5.6221	0.0400	0.0	0.0	0.0	0 • 4	9•53E~06	4 • 4 5E-05
3 7	2	64 46	65 47	12244.32		1778.97	5.6212	0.0400	0.0	0.40	0.0	3.51F-05	4.63E-04	2.38E-03
9	8	36	37	16532.89	1	1779.29	5.6202	0.0400	0.0	0.0	0.0	0.0	1.256-05	1 •27E-04
8	7	41	42	18902-61	1	1779.35	5.6200	0.0400	0.0	0.0	. 0.0	0.0	1.28E-06	1.91E-05
2	í	68	69	17680.03	1	1779.82	5.6185	0.0400	0.0	0.0	0.0	0.0	4.22E-06	5.16E-05
1	ō	72	73	10205.84	_	1779.88 1780.18	5.6184	0.0400	0.0	0.0	1.48E-06	8.73F-05	8-97E-04	3.905-03
5	4	49	50	12716.17	2		5.6174	0.0400	0.0	0.0	3.87E-06	1.53E-04	1.24E-03	4.59E-03
5	4	55	56	14265.13	1	1780.67 1780.71	5.6159 5.6157	0.0400	0.0	0.0	0.0	0.0	3.95E-06	2.18E-05
3	2	58	59	10487.10		1781.13	5.6144	0.0400	0.0	0.0	0.0	4.43E-06	9.49E-05	6.726-04
6	5	44	45	13839.13	2	1781.13	5.6126	0.0400 0.0400	0.0	0.0	0.0	2.77F-06	2.39E-05	9.268-05
7	6	39	40	15034.13	2	1781.85	5.6121	0.0400	0.0 0.0	0.0	0.0	0.0	1.45E-06	9.57E-06
2	1	62	63	9349.53	2	1782.96	5.6087	0.0400	0.0	0.0 0.0	0.0 0.0	0.0	0.0	3.78E-06
4	ŝ	59	60	13112.37		1783.01	5.6085	0.0400	0.0	0.0	0.0	7.76F-06 1.52E-05	5-11E-05	1.655-04
6′	5	50	51	15275.54		1783.03	5.6084	0.0400	0.0	0.0	0.0	1.43E-06	2.47E-04 3.92E-05	1.46E-03 3.26E-04
4	3	53	54	11475.88		1783.84	5.6059	0.0400	0.0	0.0	0.0	1.03E-06	1.136-05	5.12E-05
9	8	35	36	18771.94	1	1784.07	5.6052	0.0400	0.0	0.0	0.0	0.0	1.42E-06	2.07E-05
1	0	66	67	8257.20		1784.20	5.6048	0.0400	0.0	0.0	0.0	1.54E-05	7.78F-05	2.11E-04
								- · · · · · ·	• =				10.01-00	~

					STATE		MYMBER	LENGTH	WIDIH		- NV-	CM-2*.	ATM-1		*****
	24		m •••		ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
_	7	. 6	45.	46_	_16364.60	_1_	1784.37	5.6042	0.0400	0 • 0	0.0	0.0	0.0	1.44E05	1.43E-04
	3	2	63	64	12005.71	1	1784.68	5.6032	0.0400	0.0	0.0	0.0	4.61E-05	5.75E-04	2.84E-03
	8	7	40	41	_17530.64	1	1784.72	5.6031		0.0 ,,,	0.0	O. B. C		. 4.77E::06	5.70E=05
	5	4	48	49	12541.73	2	1785.65	5.6002	0.0400	0.0	0.0	0 • 0	0.0	4.59E-06	2.47E-05
	2	1	67	68	10946,18	.1	1785.72	5,6000	0.0400	_0.0	0.0	S+ S0E-06	1.17F-04	1.13E-03	4.72F-03
	5	4	54	55	14061.97	1	1786.11	5.5988	0.0400	0.0	0.0	0.0	5.56E-06	1.14E-04	7.79E-04
	1	0	71	72	9934.75	1	1786.15	5.5986	0.0400	0.0	0.0	_5.90E-06	2.09E-04	1.59E-03	5-63E-03
	3	2	57	58	10278.70	2	1786.40	5.5978	0.0400	0.0	0.0	0.0	3.51E-06	2.88E-05	1.08E-04
	7	6	38	.39	14898.44		1786,50	5,5975	0.0400	0.0	0.0	0.0	0.0	0.0	4.13E-06
	ੌ6 ੌ	5	43	44	13683.11	2	1786.54	5.5974	0.0400	0.0	0.0	0.0	0.0	1.65E-06	1.06E-05
	6	5	49	50	15091.63	1	1788.26	5.5920	0.0400	0.0	0.0	0.0	1.76E-06	4.59E-05	3.72E-04
	2	1	61	62	9125.64	2	1788.37	5.5917	0.0400	0.0	0.0	0.0	1.00F-05	6.24E-05	1.94E-04
	4	3	58	59	12893.29	1	1788.55	5.5911	0.0400	0.0	0.0	0.0	1.95E-05		
	9	8	34	35	18644.73	i	1788.77	5.5904	0.0400	0.0	0.0	0.0	0.0	1.56E-06	2.23E-05
	4	3	52	53	11286.22	2	1788.96	5.5898		0.0	0.0	0.0	1.27E-06		5.86E-05
	7	6	44	45	16199.77	ī	1789.42	5.5884	0.0400	0.0	0.0	0.0	0.0	1.66E-05	1.60E-04
	8	7	39	40	17384.73	i	1789.60	5.5878	0.0400	0.0	0.0	0.0	0.0		
	1	ò	65	66	8017.69	2	1789.74	5.5874	0.0400	0.0	0.0	1.23E-06	2.02E-05	9.67E~05	6.26E-05 2.52E-04
	3	2	62	63	11770.57	1	1790.36	5.5855	0.0400	7.0	0.0	0.0	6.03E-05		
	5	4	47	48	12370.66	ž	1790.60	5.5847	0.0400	0.0	0.0	0.0	0.0	. 7.11E-04 _ 5.32E-06	_ 3 <u>.38F-03</u>
	7	6	37	38	14764.06	2	1791.12	5.5831	C.0400	0.0	0.0	0.0	_ 0.0	0.0	2.78E-05
	6	5	42	43	13530.48	2	1791.33	5.5824	0.0400	0.0	0.0	0.0	0.0	1.87E-06	_4.49E-06
	5	4	53	54	13862.29	1	1791.49'	5.5819	0.0400	0.0	0.0	0.0			1.18E-05
	2	1	66	67	10694.85	i	1791.54	5.5818	0.0400	0.0	0.0	3.25E-06	6.96E~06	1.35E-04	9.00E-04
	3	2	56	57	10073.68	2	1791.65	5.5814	0.0400	0.0	0.0		1.56E-04	1.42E-03	5.70E-03
	1	ō	70	71	9667.11	ī	1792.10	5.5800	0.0400	0.0	0.0	.0.0 B.055-05	4 • 4 2E-06	, 3.46E-05	1.25E-04
	9	ā	33	34	18521.00	ì	1793.43	5.5759	_C.0400	0.0		8.95E-06	2.85E-04	2.03E-03	6.90E-03
	6	5	48	49	14911.20	i	1793.46	5.5759	0.0400		0.0	<u>'0.0</u>	0,0	_ 1 • 71F- 06	2.40E-05
	2	1	60	61	8905.12	ż	1793.75	5.5749	C+0400	0.0	0.0	0.0	2.14F-06	5.37E-05	4-22E-04
	4	ŝ	51	52	11099.95	2	1794.05	5.5749	0.0400				1.29E-05	7.61E-05	2.29E-04
	4	3	57	58	12677.69	1	1794.07	5.5739	0.0400	0.0	0.0	0.0	1.57E06	1.576-05	6.70E-05
	8	7	38	39	17242.29	i	1794.45		0.0400	0.0	0.0	0.0	.2.49E-05.	3.64E-04	
	7	6	43	44	16038.43	i	1794.45	5.5727 5.5727	0.0400	0.0	0.0	0.0	0.0	6.01E-06	6+86E-05
	í	٥	64	65	7781.55	2	1795.25	5.5727	0.0400	0.0	0.0	0.0	0.0	1.90E-05	_179E-04
	5	4	46	47	12202.98	2	1795.23	5.5694		0.0	0.0	1.77E-06	2.65E-05	1.20E-04	3.01E-04
	7	6	36	37	14633.06	2	1795.53	5.5688	0.0400	0.0	0.0	0.0	0.0	6.13E-06	3.12E~05
	3	2	61	62	11538.91	1			0.0400	0.0	0.0	0.0	0.0	0.0	4.87E-06
	6	5	41	42	13381.23	2	1796.01 1796.09	5.5679	0.0400	0.0	0.0	1-17E-06	7.86E-05	8.76E-04	4+03E-03
	5	4	52	53	13666.09	1		5.5676	0.0400	0.0	0.0	0.0	0.0	2.11E-06	1-306-05
	3	2	55	56	9872.04	2	1796.83	5.5654	0.0400	0.0	0.0	0.0	8.67E-06	1.61E-04	1.04E-03
	2	1	65	66	10446.99	1	1796.88	5.5652	0.0400	0.0	0.0	0.0	5.54E-06	4.14E-05	1.45E-04
	1	ô	69	70	9402.94	1	1797.33	5.5638	0.0400	0.0	0.0	4.77F-06	2.08E-04	1.78E-03	6.87E-03
	9	a	32	33		_	1798.03	5.5616	0.0400	0.0	0.0	1.35E-05	3.87E-04	2.59E-03	8 - 4 35 - 0 3
	6	5	47	48	16400.75	1	1798.07	5.5615	0.0400	0.0	0.0	0.0	0.0	1.87E-06	2.57E-05
	4	3	50	51	14734 <u>.2</u> 7 10917 <u>.</u> 06	1 2	1798.63	5.5598	0.0400	0.0	0.0	0.0	2.60E-06	6.25E-05	4.78E-04
	2	1	59	60			1799.11	5.5583	0.0400	0.0	0.0	0.0	1.92E-06	1.84E-05	7+63E-05
	8	7	37		8687.99	2	1799.11	5.5583	0.0400	0.0	0.0	0.0	1.64E-05	9.24E-05	2.68E-04
	7			38	17103.34	1	1799.27	5.5578	0.0400	0.0	0.0	0.0	0.0	6.705-06	7.49E-05
	4	6 3	42	43	15880.58	,	1799.45	5.5573	0.0400	0.0	0.0	0.0	0.0	2 • 1 6E~ 05	1.986-04
		_	56	57	12465.57	1	1799.56	5.5569	0.0400	0.0	0.0	0.0	3.16E-05	4.40E-04	2.34E-03
	7	6	35	36	14505.45	2	1800.28	5.5547	0.0400	0.0	0.0	0.0	0.0	0.0	5.26E-06
	5	4	45	46	12038.69	2	1800.43	5.5542	Ç.0400	0.0	0.0	0.0	0.0	7.04E-06	3.49E-05
	1	0 5	63 40	64 41	7548.79 13235.37	2	1800.74 1800.83	5•5533 5•5530	0.0400 0.0400	0.0 0.0	0 • 0 0 • 0	2.53E-06 0.0.	3.46F-05 0.0	1.48E-04	3.58E-04

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE Length	HALF Width	******	*** INTEGRAT	TED ** ABSORE		EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
3	2	60	61	11310.73	1	1801.64	5.5505	0.0400	0.0	0.0	1.66F-06	1.02E-04	1.08E-03	_4.Z6E_Q3
3	2	54	55	9673.80	2	1802.08	5.5491	0.0400	0.0	0.0	0.0	6.925-06	4.93E-05	1.67E-04
5	4	51	52	13473.39	1	1802.15	5.5489	0.0400	0.0	0.0	0.0	1.07E-05		1.19E-03
9	а	31	32	18283.98	1,	1802.67	5.5473	0.0400	0.0	0.0	0.0	0.0	2.03E-06	2.74F-05
2	1	64	65	10202.62	1	1803.10	5.5460	0.0400	0.0	0.0	6.96E-06	2.75F-04		8,25E-03
6	5	46	47	14560.82	1	1803.78	5,5439	0.0400	0.0	0.0	0.0	3.15E-06	7.24E-05	5.39E-04
1	0	68	69	9142.25	1	1803.93	5.5435	0.0400	0.0	0.0	2.02F-05	5.235-04		1.03E=02
8	7	36	37	16967.88	1	1804.05	5.5431	0.0400	0.0	0.0	0.0	0.0	7.45E-06	8.14F-05
4	3	49	50	10737.57	2	1804.15	5.5428	0.0400	0.0	0.0	0.0		2.15E-05	_8+65E-05_
7	6	41	42	15726.23	1	1804.42	5.5419	0.0400	0.0	0.0	0.0	0.0	2.45E-05	2.20E-04
2	1-	58	59	8474.25	2	1804 + 44	5.5419	0.0400	0.0	0.0	1.06E-06	2.10E-05	1.126-04	3.14E-04
7	6	34	35	14381.22	2	1804.81	5.54C7	0.0400	0.0	0.0	0.0	0.0	0.0	5.66E-06
4	3	55	56	12256.95	1	1805.02	5.5401	0.0400	0.0	0.0	00	4.00E-05	5.30F-04	
5	4	44	45	11877.80	2	1805.31	5.5392	0.0400	0.0	0.0	0.0	0.0	8.06E-06	3.90E-05
6	5	39	40	13092.91	2	1805.54	5.5385	0.0400	0.0	0.0	0.0	0.0	2.66E-06	1.56E=05
1	0	62	63	7319.43	2	1806.20	5.5365	0.0400	0.0	0.0	3.60E-06	4.49E-05	1 • 82E 04	4.24E-04
3	2	59	60	11086.05	1	1807.25	5.5333	0.0400	0.0	0.0	2.34E-06	1.31E-04	1.32E-03	5.61E-03
9	8	30	31	18170.69	1	1807.25	5.5333	0.0400	0.0	0.0	0.0	0.0	5.50E-00	2.91E-05
3	2	53	54	9478,96	2	1807.26	5.5332	0.0400	0.0	0.0	0.0	8.61E-06	5.85E-05	1.935-04
5	4	50	51	13284.19	1	1807.44	5.5327	0.0400	0.0	0.0	0.0	1.32E-05	2.25E-04	1.36E-03
8	7	35	36	16835.92	1	1808.81	5.5285	0.0400	0.0	0.0		0.0	8,25F-06	8.83E-05
2	1	63	64	9961.74		1808.84	5.5284	0.0400	0.0	0.0	1.01E-05	3.62E-04	2.77E-03	9.87E-03
6	5	45	46	14390.88	1	1808.90	5.5282	0.0400	0.0	0.0	0.0	3.79E-06	8.37E-05	6.06E-04
4	3	48	49	10561.49		1809.17	5.5274	0.0400	0.0	0.0	0.0	2.84E-06	2.505-05	9.79E-05
7	6	33	34	14260.39	2	1809.32	5.5269	0.0400	0.0	0.0	0.0	0.0		
7	6	40	41	15575.37	1	1809.36	5.5268	0.0400	0.0	0.0	0.0	0.0	2.77E-05	2.43E-04
2	1	57	58	8263.93	2	1809.75	5.5256	0.0400	0.0	0.0	1.465-06	2.66E-05		
1	0	67	68	8885.04	1	1809.81	5.5254	0.0400	0.0	0.0	3.01E-05	7.03E-04	4.15E-03	3.66E=04 1.25E-02
5	4	43	44	11720.32	2	1810.16	5.5244	0.0400	0.0	0.0	0.0	0.0	9.18E-06	
6	5	38	39	12953.84	2	1810.22	5.5242	0.0400	0.0	0.0	0.0	0.0	2.97E-06	4.33E-05 1.71E-05
4	3	54	55	12051.84	1	1810.46	5.5235	0.0400	0.0	0.0	_0.0	5.04E-05		
1	0	61	62	7093.47		1811.64	5.5199	0.0400	0.0	0.0	5.106-06	5.80E-05	2.23E-04	3 <u>.</u> 17E-03.
9	8	29	30	18060.90	1	1811.79	5.5194	0.0400	0.0	0.0	0.0	0.0		5.01E-04
3	2	52	53	9287.54	_	1812.41	5.5175	0.0400	0.0	0.0	0.0	1.07E-05		3.08E-05_
5	4	49	50	13098,50	1	1812.71	5.5166	0.0400	0.0	0.0	0.0	1.635-05	6.91E-05	2.21E-04
3	2	58	59	10864.87	1	1812.62	5.5163	0.0400	0.0	0.0	3.28E-06	1.69E-04	1.60E-03	_ 1.55E-03
8	7	34	35	16707.46	1	1813.54	5.5141	0.0400	0.0	0.0				6.616-03
7	6	32	33	14142.96		1813.81	5.5133	0.0400	0.0	0.0	0.0	_0.0.	9.09E-06_ 0.0	
6	5	44	45	14224.45	1	1813.99	5.5127	0.0400	0.0	0.0				6.48E-06
4	3	47	48	10388.82		1814-16	5.5122	0.0400	0.0	0.0	0•0	. 4.53F-06		6+79E-04
7	6	39	40	15428.02	ī	1814.27	5.5119	0.0400	0.0	0.0	0.0	3.43E-06	2.90E-05	1-10E-04
2	1	62	63	9724.36	_	1814.55	5.5110	0.0400	0.0		1.45E-05	1.10E-06	3.13E-05	2.67E-04
6	5	37	36	12818.19	ž	1814.87	5.5110	0.0400		0.0		4.75E-04	3.436-03	1.18E-02
5	4	42	43	11566.25		1814.98	5.5097		0.0	0.0	0.0	9.0		1.86E-05_
2	ī	56	57	8057.01	2	1815.03	5.5096	0.0400	0.0	0.0	0.0	0.0	1.04E-05	4.80E-05
1	ō	66	67	8631.33		1815.66		0.0400	0.0	0.0.	2.01E-06	3.36E-05		4.26E-04
4	Ë	53	54	11850.23	i	1815.86	5.5076 5.5070	0.0400	0.0	0.0	4.46E-05	9.41E-04	5.23E~03	1.51E-02
9	8	28	29	17954.60	1	1816.30	5.5070	0.0400	0.0	0.0	0.0	6.32E-05	7.60E-04	7.67E-03
1	Ċ	60	61	6870.93		1817.06	5.5057	C+0400	0.0	0.0	0.0	0.0	2.54E-06	3.25E-05
3	2	51	52	9099.53			5.5034	0.0400	0.0	0.0	7-17E-06	7.47E-05	2.72E-04	5.91E-04
5	4	48	49	12916.32	1	1817.53	5.5020	0.0400	0.0	0.0	0.0	1.31F-05	8.156-05	2.53E-04
8	7	33	34	16582.50		1817.94	5.5007	0.0400	0.0	0.0	.0.0	1.99E-05	3.09E-04	1.77E-03
7	6	31	32	14028.93	1	1818.24	5.4998	0.0400	0.0	0.0	0.0	0.0	9.98E-06	1.03E-04
•	•	~ .	JE	-4050493	-	1818.26	5.4998	0.0400	0.0	0.0	0.0	0.0	1.01E-06	. e • ã ŏ Ĕ – 0 e ·

	VÜ	VL	JU	JĹ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ARSORF		EFFICIENT **	*****
				• -	ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	•		•												
	Ę.	_2_	5_7	58	10647.20		1818.37	5.4994		0.0	0.0	4.58E-06	2.16E-04	1.95E-03	7.76E-03
	6	5	43	44	14061.54		1819.05	5.4974	0.0400	0.0	0.0	0.0	5.40E-06	1.10E-04	7.58E-04
	4	3	46	47	10219.57		1819.12	5.4972	0.0400	0.0	0.0	0.0	4.12E-06	3,346-05	1.24E-04 2.93E-04
	7	6	38	39	15284.19	1	1819.15	5.4971	0.0400	0.0	0.0	0.0	1.28E-06 0.0	3.51E-05 3.66E-06	
	_ 6		•	. 37	12685,95	2	1819.50	5.4960	0.0400	0.0	0.0.	0.0	1.09E-06	1.18E-05	5.30E-05
	5	4	41	42	11415.59		1819.78	5.4952	0.0400	0.0	0 • 0 0 • 0	2.08E-05	6.20E-04	4.24E-03	1.40E-02
	2	1	61	62	9490.49	1	1820.24	5.4938	0.0400	0.0	0.0	2.73E-06	4.22E-05	1.94E-04	4.94E-04
	2	1	55	56	7853.51	2	1820.29 1820.79 _	5.4936 5.4921	0.0400	0.0	0.0	0.0	0.0	2.71E-06	
`	9	8	27 <u>.</u> 52	. 28. 53	17851.80 11652.14	1.,	1821.25	5.4907	0.0400	0.0	0.0	1-12E-06	7.885-05	9.04E-04	4.23E-03
		0	65	55 66	8381.13		1821.49	5.4900	0.0400	0.0	0.0	6.57E-05	1.25E-03	6.57E-03	1.82E-02
	1	0	159	60	6651.80		1822.45	5.4871	C.0400	0.0	0.0	1.00E-05	9.58E-05	3.31E-04	6.94E-04
	3	2	50	51	8914.94		1822.63	5.4866	0.0400	0.0	0 • 0	0.0	1.61E-05	9.56E-05	2.88E-04
	7	6	30	31	13918.32		1822.68	5+4864	0.0400	0.0	0.0	0.0	0.0	1.09E-06	7.32E-06
	8	7	32		16461.06	ĩ	1822.91	5.4857	0.0400	0.0	0.0	0.0	0.0	1.09E-05	1.10E-04
	5	4	47	48	12737.67	ī	1823.15	5.4850	0.0400	0.0	0.0	0.0	2.42F-05	3.60E-04	2.00E-03
	3	2	56	57	10433.05		1823.90	5.4828	0.0400	0.0	0.0	6.35E-06	2.75E-04	2.36E-03	9.0RE-03
	7	6	37	38	15143.88	1	1824.01	5.4824	0.0400	0.0	0.0	0.0	1.48E-06	3.92E-05	3.20E-04
	4	3	45	46	10053.75		1824.05	5.4823	0.0400	0.0	0.0	0.0	4.93E-06	3.856-05	1.39E-04
	6	5	42	43	13902.14	1	1824.08	5.4822	0.0400	0.0	0.0	0.0	6.40E-06	1.26E-04	8.44É-04
	6	5	35	36	12557.12	2	1824.10	5.4822	0.0400	0.0	0.0	0.0	0.0	4.04E-06	2.18E-75
	5	4	40	41	11268.36	2	1824.55	5.4808	0.0400	0.0	0.0	0.0	1.27E-06	1.33E-05	5.84E-05
	9	8	26	27	17752.52	1	1825.24	5.4787	0.0400	0.0	0.0	0.0	0.0	2.89E-06	3.58F~05
	2	1	54	55	7653.44	2	1825.53	5,4779	0.0400	0.0	0.0	3.71E-06	5.28E-05	2.32E-04	5.71E-04
	2	1	60	61	9260.14	3	1825.91	5.4767	0.0400	0.0	0 + 0	2.97E-05	8.06E-04	5.21E-03	1.66E-02
	4	3	51~		11457.59		1826.60	5.4747	0.0400	0.0	0.0	1.50E-06	9.79F-05	1.07E-03	4.86E-03
	7	6,	29	. 30.	13811.11	2	1827.08	5.4732	0.0400	0.0	0.0	0.0	0.0	1.176-06	2.195-02
	1	0	64	65	8134.45	1	1827.29	5.4726	0.0400	0.0	0.0	9.61F-05	1.66F-03	8.22E-03	1.17E-04
	8	7	31	32	16343.14		1827.55	5.4718	0.0400	0.0	0.0	0.0	0.0	1.19E-05 1.12F-04	3.28E-04
	3	2	49	50	8733.79	2	1827.70	5.4714	0.0400	0.0	0.0	0.0 1.40E-05	1.97E-05 1.22E-04	4.01E-04	8.13E-04
	1	0	58	59	6436.11	2	1827.82	5.4710	0.0400	0.0	0.0	0.0	2.93E-05	4.18E-04	2.26E-03
	5	4	46	47	12562.54	1	1828.34	5.4694	0.0400 0.0400	0.0	0.0	0.0	0.0	4.445-06	2,356-05
	6	5	34	35	12431.72		1828.67	5.4685 5.4680	0.0400	0.0	0.0	0.0	1.70E-06	4.36E-05	3.49E-04
	7	6 3	36 44	37 45	15007.09 9891.36	1 2	1828.83 1828.96	5.4676	0.0400	0.0	0.0	0.0	5.87E-06	4.41E-05	1.55E-04
	6	5	41	42	13746.29	1	1829.08	5.4672	0.0400	0.0	0.0	0.0	7.56F-06	1.43E-04	9.36E-04
	5	4	39	40	11124.55		1829.29	5.4666	0.0400	0.0	0.0	0.0	1 - 48E-06	1.49E-05	6.41E-05
	3	2	55	56	10222.44		1829.39	5.4663	0.0400	0.0	0.0	8.76E-06	3.49E-04	2.85E~03	1.06E-02
	9	8	25	26	17656.73	î	1829.66	5.4655	0.0400	0.0	0.0	0.0	0.0	3.05F-06	3.73E-05
	2	1	53	54	7456.80		1830.74	5.4623	0.0400	0.0	0.0	4.99E-06	6.58E-05	2.76E-04	6.58E-04
	7	6	28	29	13707.32		1831.45	5.4602	0.0400	0.0	0.0	0.0	0.0	1.26E-06	8.14E-06
	2	1	59	60	9033.32		1831.55	5.4599	0.0400	0.0	0.0	4.20E-05	1.04F-03	6.39E-03	1.975-02
	4	3	50	51	11266.57		1831.93	5.4587	0.0400	0.0	0.0	2.00E-06	1.21F-04	1.276-03	5.57E-03
	8	7	30	31	16228.73		1832.16	5.4580	0.0400	0.0	0.0	0.0	0.0	1.29E,-05	1.256-04
	3	2	48	49	8556.07		1832.75	5.4563	0.0400	0.0	0.0	1.17E-06	2.39E-05	1.30E-04	3.71E-04
	1	Ö	63	64	7891.29		1833.07	5.4553	0.0400	0.0	0.0	1.40F-04	2.20E-03	1.02E-02	2.63E-02
	1	0	57	58	6223.85	2	1833.16	5.4551	0.0400	0.0	0.0	1.93E-05	1.56E-04	4.85E-04	9.50E-04
	6	5	33	34	12309.75		1833.21	5.4549	0.0400	0.0	0.0	0.0	0.0	4.86E-06	2.526-05
	5	4	45	46	12390.96		1833.49	5.4541	0.0400	0.0	0.0	0.0	3.53€-05	4.84E-04	2.556-03
	7	6	35	36	14873.83		1833.63	5.4537	0.0400	0.0	0.0	0.0	1.945-06	4.836-05	3.78E-04 1.73E-04
	4	3	43	44	9732.40		1833.84	5.4530	0.0400	0.0	0.0	0.0	6.96F-06	5.03E-05	7.01E-05
	5	4	38	39	10984.19		1834.00	5.4526	0.0400	0.0	0.0	0.0	1.71E-06 0.0	1.67E-05 3.22F-06	3.87E-05
	9	8	24	25	17564.47	1	1834.05	5.4524	0.0400	0.0	0.0	0.0	0.0	0.55L-00	340,6-05

VU	, VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF- WIDTH	*****	** INTEGRATE	ED ** ABSORF		EFFICIENT *	****
				ENERGY		CM-1	MICRON	NŻ	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
6	5	40	41	13593.96	1	1834.06	5.4524	0.0400	0.0	0.0	0.0	8.87F-06	1.625-04	1.04E-03
3	2	54	55	10015.37	1	1834.87	5.4500	C.0400	0+0	0.0	1.20F-05	4.41E-04	3.426-03	1.23E-02
7	6	27	28	13606.95	2	1835.79	5.4472	0.0400	0.0	0.0	0.0	0.0	1.34E-06	8.54E-06
2	1	52	53	7263.61	2	1835.92	5.4469	0.0400	0.0	0.0	6.69E-06	8.16F-05	3.27E-04	7.56E-04
8	7	29	30	16117.86	1	1836.74	5.4444	0.0400	0.0	0.0	0.0	0.0	1.39E-05	1.32E-04
2	1	58	59	8810.04	1	1837.16	5.4432	0.0400	0.0	0.0	5.92E-05	1.34E-03	7.81E-03	2.32E-02
4	3	49	50	11079.09	1	1837.23	5.4430	0.0400	0.0	0.0	2.65E-06	1.49E-04	1.49E-03	6.36E-03
6	5	32	33	12191.21	2	1837.73	5.4415	0.0400	0+0	0.0	0.0	0.0	5.30E-06	2.70E-05
3	2	47	48	8381.80	2	1837.77	5.4414	0.0400	0.0	0.0	1.52E-06	2.89E-05	1.51E-04	4.19E-04
7	6	34	35	14744.11	1	1838.39	5.4395	0.0400	0.0	0.0	0.0	2.21E-06	5.33E-05	4.09F-04
9	8	23	24	17475.72	1	1838.41	5.4395	0.0412	0.0	0.0	0.0	0.0	3.37E-06	4.00F-05
1	0	56	57	6015.03		1838.48	5.4393	0.0400	0.0	0.0	2.66E-05	1.97E-04	5+84E-04	1.11E-03
5	4	44	45	12222.92		1838.61	5.4389	0.0400	0.0	0.0	0.0	4.236-05	5.57E-04	2.86E-03
5	4	37	38	10847.26		1838.69	5.4387	0.0400	0.0	0.0	0.0	1.97E-06	1.86E-05	7.636-05
4	3	42	43	9576.89		1838.70	5.4386	0.0400	0.0	0.0	0.0	8.22E-06	5.72E-05	1.92E-04
1	0	62	63	7651.67		1838.82	5.4383	0.0400	0.0	0.0	2.02F-04	2.89F-03	1.27E-02	3.14E-02
6	5	39	40	13445.18		1839.01	5.4377	0.0400	0.0	0.0	0.0	1.04E-05	1.83E-04	1.14E-03
7	6	26	27	13510.01		1840.10	5.4345	0.0400	0.0	0.0	0.0	0.0	1.42E-06	8.92E-06
3	2	53	54	9811.84		1840.31	5.4339	0.0400	0.0	0.0	1.64E-05	5.54E-04	4.09E-03	1.43E-02
2	1	51	52	7073.87		1841.08	5.4316	0.0400	0.0	0.0	8.91E-06	1.01E-04	3.85E-04	8.66E-04
8	7	28	29	16010.51		1841.29	5.4310	0.0400	0.0		0.0	0.0	1.49E-05	1.40E-04
6	5	31	32	12076.10		1842.21	5.4283	0.0400	0.0	0.0	0.0	0.0	5.75E-06	2.88E-05
4	3	48	49	10895.17		1842.50	5.4274	0.0400	0.0	0.0	3.49E-06	1.82E-04	1.756-03	7.255-03
9	8	22	23	17390.49		1842.74	5.4267	0.0423	0.0	0.0	0.0	0.0	3.51E-06	4-11E-05
2	1	57	58	8590.31		1842.75	5.4267	0.0400	0.0	0.0	8.29E-05	1.725-03	9.50E-03	2.73E-02
3	2	46	47	8210.98		1842.77	5.4266	0.0400	0.0	0.0	1.95E-06	3.48E-05	1.758-04	4.72E-04
7	6	33	34	14617.93		1843.13	5.4256	0.0400	0.0	0.0	0.0	2.51F-06	5.86E-05	4.41E-04
5	4	36	37	10713.77		1843.35	5.4249	0.0400	0.0	0.0	0.0	2.25E-06	2.06E-05	8.295-05
4	3	41	42	9424.83		1843.53	5.4244	0.0400	0.0	0.0	0.0	9.65E-06	6.48E-05	2.125-04
5	4	43	44	12058.43	_	1843.71	5.4238	0.0400	0.0	0.0	0.0	5.05E-05	6.40E-04	3.20E-03
ī	o	55	56	5809.67		1843.77	5.4237	0.0400	0.0	0.0	3.63E-05	2.48E-04	7.00E-04	1-298-03
6	5	38	39	13299.95		1843.93	5.4232	0.0400	0.0	0.0	0.0	1 - 2 1E - 05	2.06E-04	1.25E-03
7	6	25	26	13416.50		1844.38	5.4219	0.0400	0.0	0.0	0.0	0.0	1.50F-06	9+28E-06
1	ō	61	62	7415.60		1844.54	5.4214	0.0400	0.0	1.25E-06	2.91E-04	3.79E-03	1.57E-02	3.74E-02
3	2	52	53	9611.86		1845.73	5.4179	0.0400	0.0	0.0	2.22F-05	6.935-04	4.88E-03	1.65E-02
6	7	27	28	15906.70		1845.81	5.4177	0.0400	0.0	0.0	0.0	0.0	1.59E-05	1.47E-04
2	i	50	51	6827.58		1846.21	5.4165	0.0400	0.0	0.0	1-185-05	1.24E-04	4.53E~04	9.89F-04
6	5	30	31	11964.44		1846.67	5.4152	0.0400	0.0	0.0	0.0	0.0	6.21E-06	3.05E-05
9	8	21	22	17308.79		1847.04	5.4141	0.0435	0.0	0.0	. 0.0	0.0	3.645-06	4.21E-05
ź	2	45	46	8043.62		1847.73	5.4120	0.0400	0.0	0.0	2.50E-06	4 • 1 8E-05	2.02E-04	5.29E-04
4	3	47	48	10714.80		1847.75	5.4120	0.0400	0.0	0.0	4.57E-06	2.22E-04	2.04E-03	8.22E-03
7	6	32	33	14495.30		1847.83	5.4118	0.0400	0.0	0.0	0.0	2.82E-06	6.41E-05	4.73E-04
5	4	35	36	10583.74		1847.98	5.4113	0.0400				2.57E-06		
2	ī	56	57	8374.14		1848.31	5.4103	0.0400	0.0	0,0	0.0 1.15E-04	2.20E-03	2.28E-05 1.15E-02	3.19E-02
4	3	40	41	9276.23						0.0				
7	6	24	25	13326.42		1848.33 1848.64	5.4103 5.4094	0.0400 0.0400	0.0	0.0	. 0.0	1.13E-05 0.0		2.34E-04
5	4	42	43	11897.51					0.0		0.0		1.57E-06	9.62E-06
6	5	37	38			1848.78	5.4090	0.0400	0.0	0.0	0.0	6.00E-05	7.31E-04	
t	_			13158.27		1848.81	5.4089	0.0400	0.0	0.0	0.0	1.40E-05	2.30E-04	1.376-03
-	0	54	55	5607.77		1849.04	5.4082	0.0400	0.0	0.0	4.94E-05	3.11F-04	8.37E-04	1.49E-03
ı	-	60	61	7183.08		1850.24	5.4047	0.0400	0.0	2.15E-06	4.16E-04	4.93E-03	1.94E-02	4.45E-02
e	7	26	27	15806.43		1850.30	5.4045	0.0400	0.0	. 0 . 0		º• º	1.69E-05	1.54F-04
6	5	29	30	11856.22		1851.10	5.4022	0.0400	0.0	0.0	0.0	0.0	6.686-06	3.23F-05
3	2	51	52	9415.45	1	1851.12	5.4021	0.0400	0.0	0 • 0	2.98E-05	8.63F-04	5.80E-03	1.90E-02

νu	٧L	Ju	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATE	D ** ABSORI	PTION ** CON	EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
											-			
									• •			0.0	3.755-06	4.29E-05
9	8	20	21	17230.61	1	1851.30	5.4016	0.0447	0.0	0.0	0.0 1.55E~05	1.52F-04	5.31E-04	1.12E-03
2	1	49	50	6704.76	2	1851.32	5.4016	0.0400	0.0	0.0	0.0	3.16E-06	6.98E-05	5.05E-04
7	6	31	32	14376.23	1	1852.51	5.3981	0.0400	0.0		0.0	2.915-06	2.50E-05	9.67E-05
5	4	34	35	10457.16	2	1852.59	5.3978	0.0400	0.0	0.0 0.0	3.19E-06	4.99E-05	2.31E-04	5.92E-04
3	2	44	45	7879.72	2	1852.68	5.3976	0.0400	0.0	0.0	0.0	0.0	1.65E-06	9.92E-06
7	6	23	24	13239.77	2	1852.86	5.3971			0.0	5.95E-06	2.70E-04	2.37E-03	9.306-03
4	3	46	47	10538.00	1	1852.96	5.3968	0.0400	0.0	0.0	0.0	1.31E-05	8.22E-05	2.57E-04
4	3	39	40	9131.08	2	1853-11	5.3963 5.3947	0.0400	0.0	0.0	0.0	1.61E-05	2.56F-04	1.49E-03
6	5	36	37	13020.16	1 1	1853.67	5.3943	0.0400	0.0	0.0	0.0	7.10E-05	8.33E-04	3.95F-03
5	4	41	42	11740.14	_	1853.82		0.0400	0.0	0.0	1.60E-04	2.80F-03	1.39E-02	3.73F-02
2	1	55	56	8161.53	1	1853.84	5.3942 5.3929	0.0400	0.0	1.43E-06	6.67E~05	3.898-04	9.97E-04	1.72E-03
1	0	53	54	5409.33	2	1854.28 1854.76	5.3915	0.0400	0.0	0.0	0.0	0.0	1.79E-05	1.61F-04
8	7	25	26	15709.71	1 2	1855.50	5.3894	0.0400	0.0	0.0	0.0	0.0	7.16E-06	3.40E-05
6	5	28	29	11751.45	_		5.3893	0.0458	0.0	0.0	0.0	0.0	3.85F-06	4.35E-05
9	8	19	20	17155.96	1	1855•53 ,1855•92	5.3882	0.0400	0.0	3.67E-06	5.91E-04	6.40E-03	2.38F-02	5.26E-02
1	0	59 48	60 49	6954.12 6525.41	1 2	1856.40	5.3868	0.0400	0.0	0.0	2.03E-05	1.85E-04	6.19E-04	1.28E-03
2 3	2	50	5 t	9222.61	1	1856.48	5.3865	0.0400	0.0	0.0	3.99F-05	1.07F-03	6.86E-03	2.18E-02
7		22	23	13156.57	2	1857.05	5.3849	0.0423	0.0	0.0	0.0	0.0	1.71E-06	I . 02E-05
7	6 6	30	31	14260.70	1	1857.15	5.3846	0.0400	0.0	0.0	0.0	3.53F-06	7.57E-05	5.38E-04
5	4	33	34	10334.05	ż	1857.16	5.3846	0.0400	0.0	0.0	0.0	3.28F-06	2.74F-05	1.04E-04
3	2	43	44	7719.30	2	1857.59	5.3833	0.0400	0.0	0.0	4.04E-06	5.92F-05	2.64E-04	6.59E-04
4	3	38	39	8989.41	2	1857.85	5.3826	0.0400	0.0	0.0	0.0	1.52F-05	9.21E-05	2.81E-04
4	3	45	46	10364.77	1	1858-15	5.3817	0.0400	0.0	0.0	7.70F-06	3.26E-04	2.75E-03	1.056-02
6	5	35	36	12885.61	î	1858.50	5.3807	0.0400	0.0	0.0	0.0	1.84E-05	2.84E-04	1.62E-03
5	4	40	41	11586.35	î	1850.83	5.3797	C.0400	0.0	0.0	1.21E-06	8.35F-05	9.456-04	4.38E-03
8	7	24	25	15616.54	i	1859.18	5.3787	0.0400	0.0	0.0	0.0	0.0	1.89E-05	1.67E-04
2	í	54	55	7952.49	ī	1859.35	5.3782	0.0400	0.0	0.0	2.20E-04	3.54E-03	1.686-02	4.35E-02
1	ō	52	53	5214.37	ž	1859.50	5.3778	0.0400	0.0	2.24E-06	8.96E-05	4.83E-04	1.18F-03	1.98F-03
9	ě	18	19	17084.85	1	1859.73	5.3771	0.0470	0.0	0.0	0.0	0.0	3.92E-06	4.38E-05
6	5	27	28	11650.14	ź	1859.88	5.3767	0.0400	0.0	0.0	0.0	0.0	7.64E-06	3.57F-05
7	6	21	22	13076.80	2	1861.22	5.3728	0.0435	0.0	0.0	0.0	0.0	1.77E-06	1.04E-05
5	1	47	48	6349.53	2	1861.45	5.3722	0.0400	0.0	0.0	2.64E-05	2.24E-04	7.20E-04	1-44E-03
1	ō	58	59	6728.75	1	1861.56	5.3718	0.0400	0.0	6.20F-P6	8.35E-04	8.27E-03	2.925-02	6.5SE-0S
5	4	32	33	10214.39	2	1861.71	5.3714	0.0400	0.0	0.0	ò•0	3.68E-06	2.99E-05	1.11E-04
7	6	29	30	14148.75	1	1861.77	5.3712	0.0400	0.0	0.0	0.0	3.91E-06	8.18E-05	5.71E-04
3	2	49	50	9033.35	1	1861.82	5.3711	0.0400	0.0	0.0	5.306-05	1.32F-03	8.09E-03	2-49E-Q2
3	2	42	43	7562.35	2	1862.48	5.3692	0.0400	0.0	0.0	5.08F-06	7.00F-05	3.01E-04	7.33F-04
4	3	37	38	8851.20	2	1862.57	5.3689	0.0400	0.0	0.0	0.0	1.755-05	1.03E-04	3.076-04
4	3	44	45	10195.12	1	1863.31	5.3668	0.0400	0.0	0 • 0	9.90E-06	3.92F-04	3.17E-03	1.18E-02
6	5	34	35	12754.63	1	1863.31	5.3668	0.0400	0.0	0.0	O • D	2.10E-05	3.14E-04	1.765-03
8	7	23	24	15526.91	1	1863.58	5.3660	0.0412	0.0	0•0	Õ • O	0.0	1.98E-05	1.73E-04
5	4	39	40	11436.14	1	1863.81	5.3654	0.0400	0.0	0.0	1.51E-06	9.78F-05	1.076-03	4.83F-03
9	8	17	18	17017.28	1	1863.90	5.3651	0.0482	0.0	0.0	0.0	C • O	3.98E-06	4.39E-05
6	5	26	27	11552.28	2	1864.22	5.3642	0.0400	0.0	Ç+0	0.0	0.0	8.11E-06	3.73E-05
1	0	51	52	5022.89	2	1864.69	5.3628	0.0400	0.0	3.48E-06	1.20F-04	5.98E-04	1.40E-03	2.27E-03
2	1	53	54	7747.04	1	1864.83	5.3624	0.0400	0.0	0.0	3.00E-04	4.46F-03	2.01F-02	5.046-02
7	6	20	21	13000.48	2	1865.35	5,3609	0.0447	0.0	0.0	0.0	0.0	1.82E-06	1.06E-05
5	4	31	32	10098.21	2	1866.23	5.3584	0.0400	0.0	0.0	0.0	4.11E-06	3.25F-05	1 - 1 9E-04
7	6	28	29	14040.35	1	1866.35	5.3501	0.0400	0.0	0.0	0.0	4.31F-06	8.79E-05	6.03F-04
2	1	46	47	6177.14	2	1866.48	5.3577	0.0400	0.0	0.0	3.41E-05	2.70F-04	8.345-04	1.63F-03
3	2	48	49	8847.68		1867.12	5.3558	0 • 0 4 0 0	0.0	0.0	7.01F-05	1.62F-03	9.50E-03	2.84E-02
1	0	57	58	6506.95	1	1867.19	5.3556	0.0400	0.0	1.045-05	1.17E-03	1.06F-02	3.56F-02	7.32F-02

VU	VL,	ΛÛ	JL	LOWER STATE	CODE	WAVE Number	WÁVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORP		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	Ń2	T = 300	T = 600	T = 900		T - 1500	T _ 1000
				LITEROT		Ch I	MICHOR	142	1 - 300	1 = 600		T = 1200	T = 1500	T = 1800
						•	•						•	
4	3	36	37	8716.48		1867.27	5.3554	0.0400	0.0	0.0	0.0	2.01F-05	1.14E-04	3,33E-04.
3	2	41	42	7408.88	2	1867.34	5.3552	0.0400	0.0	0.0	6.36E-06	8.24F-05	3.42E-04	8-11E-04
8	7	22	23	15440.84		1867.94	5.3535	0.0423	0.0	0.0	0.0	0.0	2.07E-05	_ L.78E-04
9	8	16	17	16953.25		1868.04	5.3532	0.0493	0.0	0.0	0.0	0.0	4.00F-06	4.37E-05
6	5	33	34	12627.23	1	1868.08	5.3531	0.0400	0.0	0.0	0.0	2.38F-05	3.46E-04	1.89E-03
4	3	43	44	10029.06		1868.44	5.3521	0.0400	0.0	0.0	1 • 27E-05	4.68E-04	3.656-03	1.35E-05
6	5	25	26	11457.88		1868.53	5.3518	0.0400	0.0	0.0	0.0	0.0	8.57E-06	3.89E-05
5	4	38	39	11289.51	1	1868.77	5.3511	0.0400	0.0	0.0	1-86E-06	1 • 1 4E-04	1.20E-03	5.31E-03
7	6	19	20	12927.62		1869.46	5.3491	0.045B	0.0	0.0	0.0	0.0	1.87E-06	1.07E-05
1	0	50	51	4834.91		1869.85	5.3480	0.0400	0.0	5.376-06	1.59E-04	7.36E-04	1.656-03	2.596-03
2	1	52	53	7545.17		1870.28	5.3468	0.0400	0.0	1.58E-06-	4.08E~04	5.59E-03	2.405-02	5.84E-02
5	4	30	31	9985.50		1870.72	5.3455	0.0400	0.0	0.0	0.0	4.57F-06	3.52E-05	1.26E-04
7	6	27	28	13935.53		1870.91	5.3450	0.0400	0.0	0.0	9.0	4.73F-06	9.41E-05	6.35E-04
2	1	45	46	6008.24		1871.48	5.3434	0.0400	0.0	0.0	4.38E-05	3.25E-04	9.62E-04	1.83E-03
4	3	35	36	8585.23		1871.93	5.3421	0.0400	0.0	0.0	1.10E-06	2.29E-05	1.26E-04	3.61E-04
9	8	15	16	16892.75		1872.14	5.3415	0.0505	0.0	0.0	0.0	0.0	4.00E-06	4.33E-05
3	2	40	41	7258.90		1872.18	5.3414	0.0400	0.0	0.0	7.90F-06	9.65E-05	3.86F-04	8.95E-04
8	7	21	22	15358.34		1872.27	5.3411	0.0435	0 • C	0.0	0.0	0.0	2.15E-05	1.82E-04
3	2	47	48	8665.59		1872.40	5.3407	0.0400	0.0	0.0	9.21E-05	1.98F-03	1-11E-02	3.23E-02
1	0	56	57	6288,75		1872.78	5.3397	0.0400	0.0	1.73E-05	1.64E-03	1.36E-02	4.32E-02	8.60E-02
6	5	24	25	11366.95		1872.82	5.3395	0.0400	0.0	0.0	0.0	0.0	9.01E-06	4±03E-05
6	5	32	33	12503.41		1872.82	5.3395	0.0400	0.0	0.0	0.0	2.69F-05	3.796-04	2.03E-03
7	6	18	19	12858.20		1873.53	5.3375	0.0470	0.0	0.0	0.0	0.0	1.90E-06	1.08E-05
4	3	42	43	9866.59		1873.55	5.3375	0.0400	0.0	0.0	1.618-05	5.57E-04	4.18E-03	1.47E-02
5	4	37	38	11146.46		1873.69	5.3371	0.0400	0.0	0.0	2.28E-06	1.32F-04	1.34E-03	5-81E-03
1	0	49	50	4650.41	2	1874.99	5.3334	0.0400	0.0	8.21E-06	2.10E-04	9.035-04	1.93E-03	2.95E-07
5	4	29	30	9876.27		1875.18	5.3328	0.0400	0.0	0.0	0.0	5.05F-06	3.79€-05	1.33E-04
7	6	26	27	13834.28		1875.43	5.3321	0.0400	0.0	0.0	0.0	5.17E-06	1.00E-04	6.66E-04
2	1	51	52	7346.91	1	1875.70	5.3313	0.0400	0.0	2.49E-06	5.50E-04	6.98F-03	2.86E-02	6.73F-02
9	8	14	15	16835.81	1	1876.22	5.3299	0.0517	0.0	0.0	0.0	0.0	3.97E-06	4.26E-05
2	1	44	45	5842.84		1876.46	5.3292	0.0400	0.0	0.0	5.60E-05	3.88F-04	1.11E-03	E0-340.5
8	7	20	21	15279.39	1	1876.57	5.3289	0.0447	0.0	0.0	0.0	0.0	2.22E-05	1.85E-04
4	3	34	35	8457.48		1876.57	5.3289	0.0400	0.0	0.0	1.32E-06	2.60F-05	1.39E-04	3.90E-04
3	2	39	40	7112.42		1876.99	5.3277	0.0400	0.0	0.0	9.76E-06	1.12E-04	4.35E-04	9.84E-04
6	5	23	24	11279.49	2	1877.08	5.3274	0.0412	0.0	0.0	0.0	0.0	9.43E-06	4-16E-05
6	5	31	32	12383.18		1877.53	5.3261	0.0400	0.0	0.0	0.0	3.01F-05	4-13E-04	2-18E-03
7	6	17	18	12792.23	2	1877.58	5.3260	0.0482	0.0	0.0	0.0	0.0	1.92E-06	1.08F-05
3	2	46	47	8487.11	1	1877.66	5.3258	0.0400	0.0	0.0	1.20E-04	2.40E-03	1.296-02	3.66E-02
1	0	55	56	6074.14	1	1878.35	5.3238	0.0400	0.0	2.85%-05	2.276-03	1.73E-02	5.24E-02	1.01E-01
5	4	36	37	11007.02	1	1878.59	5.3231	0.0400	0.0	0.0	2.78E-06	1.52F-04	1.50E-03	6.34E-03
4	3	41	42	9707.73	1	1878.62	5.3231	0.0400	0.0	0.0	2.03E-05	6.60E-04	4.76E-03	1.64E-02
5	4	28	29	9770.52	2	1879+62	5.3202	0.0400	0.0	0.0	0.0	5.56E-06	4.06E-05	1.41E-04
7	6	25	26	13736.61	1	1879.92	5.3194	0.0400	0.0	0.0	0.0	5.615-06	1-06E-04	6.95E-04
1	С	48	49	4469.43	2	1880.11	5.3188	0.0400	0.0	1.246-05	2.75E-04	1.10F-03	2.26E-03	3.35F-03
9	8	13	14	16782.41	. 1	1880.25	5.3184	0.0528	0.0	0.0	0.0	0.0	3.91E-06	4-16E-05
8	7	19	20	15204.01	1	1880.84	5.3168	0.0458	0.0	0.0	0.0	0.0	2.27E-05	1.88E-04
2	1	50	51	7152.25	1	1881.10	5.3160	0.0400	0.0	3.90E-06	7.38E-04	8.66E-03	3.39E-02	7-73E-02
4	3	33	34	8333.21	2	1881.18	5.3158	0.0400	0.0	0.0	1.57E-06	2.945-05	1.52E-04	4-19E-04
6	5	22	23	11195.50	2	1881.30	5.3155	0.0423	0.0	0.0	0.0	0.0	9.82E~06	4.27E-05
5	1	43	44	5680.94	2	1881.40	5.3152	0.0400	0.0	1.825-06	7.10E-05	4.62F-04	1.27E-03	2.28E-03
7	6	16	17	12729.73	2	1881.59	5.3147	0.0493	0.0	0.0	0.0	0.0	1.93E-06	1.07E-05
3	2	38	39	6969.43	2	1881.77	5.3141	0.0400	0.0	0.0	1.20E-05	1.30E-04	4.87E-04	1.085-03
6	5	OE	31	12266.54	1	1882.21	5.3129	0.0400	0.0	0.0	0.0	3.36F-05	4.48F-04	2.32E-03
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VU	٧L	JU	JL	LOWER State	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATE	ED ** ABSORF		EFFICHENT **	*****
				ENERGY		CM-1	MICRON	N2	$\Upsilon = 300$	T = 600	T = 900	T = 1200	T = 1500	T = 1800
_	_				1	1882.88	5.3110	0.0400	0.0	0.0	1.56F-04	2.91F-03	1.50E-02	4.13E-02
3	5	45 35	46 36	.8312.24 10871.18	1	1883.45	5.3094	0.0400	0.0	0.0	3.37E-06	1.75E-04	1.67E-03	6.89E-03
5	4		41	9552.46	1	1883-67	5.3088	0.0400	0.0	0.0	2.54E-05	7.78E-04	5.41E-03	1.816-02
4	0	40 54	55	5863.14	1	1883.89	5.3082	0.0400	0.0	4.65E-05	3.14F-03	S.20E-02	6.31E-02	1-17E-01
1 5	4	27	28	9668-25		1884.03	5.3078	0.0400	0.0	0.0	0.0	6.08F-96	4.346-05	1.48F-04
9	8	12	13	16732.56	1	1884.26	5.3071	0.0540	0.0	0.0	0.0	0.0	3.815-06	4.03E-05
7	-	24	25	13642.53	1	1884.38	5.3068	0.0400	0.0	0.0	0.0	6.05F-06	1.12E-04	7.23E-04
8	6 7	18	19	15132.20	1	1885.08	5.3048	0.0470	0.0	0.0	0.0	0.0	2.32E-05	1.90E-04
1	ó	47	48	4291.95		1885.19	5.3045	0.0400	0.0	1.87F-05	3.59E-04	1.34E-03		3-80F-03
6	5	21	22	11114.98		1885.50	5.3036	C.0435	0.0	0.0	0.0	1.01E-06	1.02E-05	4.37E-05
7	6	15	16	12670.68	2	1885.58	5.3034	C.0505	0.0	0.0	0.0	0.0	1.93F-06	1.06E-05
4	3	32	33	8212.45		1885.76	5.3029	0.0400	0.0	0.0	1.855-06	3.30F-05	1.66E-04	4.49E-04
2	1	42	43	5522.55		1886.33	5.3013	0.0400	0.0	1.74F-06	8.965-05	5.47F-04		2.54E-03
2	1	49	50	6961.20	1	1886.47	5.3009	0.0400	0.0	6.06F-06	9.85E-04	1.07E-02	4.00E-02	8.86E-02
3	ż	37	38	6829.95		1886.52	5.3008	0.0400	0.0	0.0	1.46E-05	1.50E-04	5.44E-04	1.18E-03
6	5	29	30	12153.49	1	1886.86	5.2998	0.0400	0.0	0.0	0.0	3.73F-05	4.85E-04	2.46E-03
3	2	44	45	8140.98	1	1888.08	5.2964	0.0400	0.0	0.0	2.01E-04	3.50E-03	1.74E-02	4.64E-02
9	8	11	12	16686.27		1888.23	5.2960	0.0542	0.0	0.0	0.0	0.0	3.69E-06	3.86E-05
5	4	34	35	10738-94		1888.29	5.2958	0.0400	0.0	0.0	4.05E-06	1.99E-04		7.47E-03
5	4	26	27	9569.48		1888.40	5.2955	0.0400	0.0	0.0	0.0	6.61E-06	4.61E-05	1.55E-04
4	3	39	40	9400.82		1888.69	5.2947	0.0400	0.0	0.0	3.17E-05	9.13E-04	6.12E-03	2.005-02
7	6	23	24	13552.03		1888.81	5.2943	0.0412	0.0	0.0	0.0	6.49E-06	1.18E-04	7.48E-04
8	7	17	18	15063.96	1	1889.28	5.2930	0.0482	0.0	0.0	0.0	0.0	2.35E-05	1.90E-04
1	ó	53	54	5655.77	i	1889.41	5.2927	0.0400	0.0	7.52E-05	4.30E-03	2.78E-02	7.59E-02	1.36E-01
7	6	14	15	12615.09		1889.53	5.2923	0.0517	0.0	0.0	0.0	0.0	1.91E-06	1.04E-05
6	5	20	21	11037.95		1889.67	5.2919	0.0447	0.0	0.0	0.0	1.06F-06	1.056-05	4.45E-05
1	0	46	47	4117.99		1890.25	5.2903	0.0400	0.0	2.78E-05	4.65F-04	1.62F-03	3.05F-03	4 28E-03
4	3	31	32	8095.19		1890.23	5.2901	0.0400	0.0	0.0	2.16E-06	3.69E-05	1.81E-04	4.79E-04
2	1	41	42	5367.68		1891-22	5.2876	0.0400	0.0	2.47E-06	1.12E-04	6.45E-04	1.64E-03	2.81E-03
3	2	36	37	6693.98		1891.25	5.2875	0.0400	0.0	0.0	1.77E-05	1.73E-04	6.05E-04	1.2AE-03
6	5	28	29	12044.05		1891.48	5.2869	0.0400	0.0	C • O	0.0	4.13E-05	5.22E-04	2.60E-03
2	1	48	49	6773.78		1891.82	5.2859	0.0400	0.0	9.33E-06	1.316-03	1.32E-02	4.71E-02	1.01F-01
9	ā	10	11	16643.52		1892.17	5.2849	0.0545	0.0	0.0	0.0	0.0	3.53E-06	3.67E-05
5	4	25	26	9474.20		1892.75	5.2833	0.0400	0.0	0.0	0.0	7.15E-06	4.87E-05	1.61E-04
5	4	33	34	10610.31	1	1893.09	5.2824	0.0400	0.0	0.0	4.84E-06	2.26E-04	2.03E-03	8.06E-03
7	6	22	23	13465.12		1893.21	5.2820	0.0423	0.0	0.0	0.0	6.91E-06	1.23F-04	7.70E-04
3	2	43	44	7973.35		1893.25	5.2819	0.0400	0.0	0.0	2.57F-04	4.20E-03	2.00F-02	5.21E-02
8	7	16	17	14999.30		1893.45	5.2814	0.0493	0.0	0.0	0.0	0.0	2.37E-05	1.90E-04
7	6	13	14	12562.97		1893.45	5.2814	0.0528	0.0	0.0	0.0	0.0	1.88E-06	1.02E-05
4	3	38	39	9252.79		1893.68	5.2807	0.0400	0.0	0.0	3.925-05	1.06E-03	6.89E-03	2.20E-02
6	5	19	50	10964.39		1893.81	5.2804	0.0458	0.0	0.0	0.0	1.10E-06	1.075-05	4.50E-05
4	3	30	31	7981.43		1894.84	5.2775	0.0400	0.0	0.0	2.52E-06	4.11E-05	1.96E-04	5.10F-04
1	0	52	53	5452.01	1	1894.90	5.2773	0.0400	0.0	1.21E-C4	5.86E-03	3.49F-02	9.08E-02	1.58E-01
i	ŏ	45	46	3947.55		1895.29	5.2762	0.0400	0.0	4.10E-05	5.98E-04	1.95E-03	3.53E-03	4 8 2E-03
à	2	35	36	6561.53		1895.94	5.2744	C.0400	0.0	0.0	2.13F-05	1.97F-04	6.69E-04	1.39E-03
6	5	27	28	11938.21		1896.07	5.2741	0.0400	0.0	0.0	0.0	4.53F-05	5.59F-04	2.74E-03
9	8	9	10	16604.34		1896.08	5.2740	0.0547	0.0	0.0	0.0	0.0	3.34E-06	3.45E-05
2	1	40	41	5216.33		1896.09	5.2740	0.0400	0.0	3.48E-06	1.40E-04	7.56F-04	1.86E-03	3-11E-03
5	4	24	25	9382.42		1897.07	5.2713	C.0400	0.0	0.0	0.0	7.70E-06	5.13E-05	1.67E-04
2	1	47	48	6589.98		1897.13	5.2711	0.0400	0.0	1.42E-05	1.72E-03	1.61F-02	5.51E-02	1 15E-01
7	6	12	13	12514.32		1897.34	5.2705	0.0540	0.0	0.0	0.0	0.0	1.83E-06	9.84E-06
7	6	21	22	13381.82		1897.58	5.2699	0.0435	0.6	0.0	0.0	7.32E-06	1.28E-04	7.89E-04
8	7	15	16	14938.22		1897.59	5.2698	0.0505	0.0	0.0	0.0	0.0	2.37F-05	1.88E-04
G	'	13	10	1410055	~	2071903	272070	,,,,,,,			-		•	

VU	٧L	υt	٦Ľ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	** INTEGRAT	ED ** ABSOP(CM-2*)		EFFICIENT *	******
				ENERGY		CM-1	MICRON	N2	T = 300	T ≈ 600	T = 900	T = 1200	T = 1500	T = 1800
5	4	32	33	10485.30	1	1897.87	5.2691	0.0400	0.0	0.0	5.75E-06	2.56E-04	2.236-03	8.67E-03
6	5	1 e	19	10894.32	2	1897.91	5.2690	0.0470	0.0	0.0	0.0	1.14E-06	1.09E-05	4.53E-05
3	2	42	43	7809.34	1	1898.39	5.2676	0.0400	0.0	1.02E-06	3.28E-04	5.00E-03	2.295-02	5.82E-02
4	3	37	38	9108.38	1	1898.64	5.2669	0.0400	0.0	0.0	4.82E-05	1.24F-03	7.73E-03	2.42E-02
4	3	29	30	7871.18	2	1899.33	5.2650	0.0400	0.0	0.0	2.916-06	4.55E-05	2.11E-04	5.40E-04
9	e	8	9	16568.71	1	1899.95	5.2633	0.0550	0.0	0.0	0.0	0.0	7.11E-06	3.20E-05
1	0	44	45	3780.65	2	1900.30	5.2623	0.0400	0.0	6.00E-05	7.66E-04	2.33E-03	4.06E-03	5.40E-03
1	0	51	52	5251.89	1	1900.36	5.2622	0.0400	0.0	1.91F-04	7.94E-03	4.36E-02	1.08E-01	1.83E-01
3	2	34	35	6432.60	2	1900.61	5.2615	0.0400	0.0	0.0	2.55E-05	2.258-04	7.38E-04	1.50E-03
6	5	26	27	11835.99	1	1900.63	5.2614	0.0400	0.0	0.0	0.0	4.95E-05	5.96E-04	2.88E-03
2	1	39	40	5068.50	2	1900.93	5.2606	0.0400	0.0	4.85E-06	1.73E-04	8.82E~04	2.09E-03	3.42E-03
7	6	11	12	12469.13	2	1901.21	5.2598	0.0542	0.0	0.0	0.0	0.0	1.775-06	9-44E-06
5	4	23	24	9294.14	2	1901.36	5.2594	0.0412	0.0	0.0	0.0	8.23E-06	5.37E-05	1.73E-04
e	7	14	15	14880.71	1	1901.70	5.2585	0.0517	0.0	0.0	0.0	0.0	2.356-05	1.85E-04
7	б	20	21	13302.10	1	1901.91	5.2579	0.0447	0.0	0.0	C • 0	7.71F-06	1.326-04	8.05E-04
6	5	17	18	10827.74	2	1901.99	5.2577	0.0482	0.0	0.0	0.0	1.17E-06	1.11E-05	4.54E-05
2	1	46	47	6409.82	1	1902.42	5.2565	0.0400	0.0	2 • 15E-05	2.25E-03	1.965-02	6.43E-02	1.31E-01
5	4	31	32	10363.92	1	1902.62	5.2559	0.0400	0.0	0.0	6.78F-06	2.87E-04	2.43E-03	9+28E-03
3	2	41	42	7648.97	1	1903.50	5.2535	0.0400	0.0	1.47E-06	4.14E-04	5.94E-03	2.62E-02	6.47E-02
4	3	36	37	8967.61	1	1903.57	5.2533	C.0400	0.0	0.0	5.89E-05	1.43E-03	8.64E-03	2.64E-02
9	8	7	e	16536.64	1	1903.79	5.2527	0.0574	0.0	0.0	0.0	0.0	2.86E-06	2.93F-05
4	3	28	29	7764.45	2	1903.80	5.2527	0.0400	0.0	0.0	3.35E-06	5.01E-05	2.27E-04	5.70E-04
7	6	10	11	12427.41	2	1905.04	5.2492	0.0545	0.0	0.0	0.0	0.0	1.69E-06	8.96E-06
6	5	25	56	11737.38	1	1905.15	5.2489	0.0400	0.0	0.0	0.0	5.38E-05	6.32E-04	3.01E-03
3	2	33	34	6307.19	2	1905.26	5.2486	0.0400	0.0	0.0	3.04E-05	2.54E-04	8.10E-04	1.62E-03
1	0	43	44	3617.28	2	1905.28	5.2486	C.0400	0.0	8.69E-05	9.745-04	2.78E-03	4.65E-03	6.03E-03
5	4	22	23	9209.37	2	1905.62	5.2476	0.0423	0.0	0.0	0.0	8.755-06	5.60E-05	1.77E-04
2	1	38	39	4924.21	2	1905.75	5.2473	0.0400	0.0	6.69E-06	2.13E-04	1.03F-03	2.35E-03	3.75E-03
e	7	13	14	14826.79	1	1905.77	5.2472	0.0528	0.0	0.0	0.0	0.0	2.31F-05	1.BOF-04
1	0	50	51	5055.41	1	1905.79	5.2472	0.0400	0.0	3.01E-04	1.07E-02	5.43F-02	1.295-01	S-10E-01
6	5	16	17	10764.64	2	1906.04	5.2465	0.0493	0.0	0.0	0.0	1.20F-06	1.11E-05	4.52E-05
7	6	19	50	13225,99	1	1906.21	5.2460	0.0458	0.0	0.0	0.0	8.06E-06	1.356-04	8.175-04
5		30	31	10246.16	1	1907.33	5.2429	0.0400	0.0	0.0	7.94E-06	3.21F-04	2.64E-03	9.90E-03
9	8	6 45	7	16508.13	1	1907-60	5.2422	0.0597	0.0	0.0	0.0	0.0	2.57E-06	2.63E-05
4	3	27	46	6233.30	1	1907-68	5.2420	0.0400	0.0	3.22E-05	2.93F-03	2.38F-02	7.48E-02	1.48E-01
4	3		26	7661.24	2	1908.24	5.2404	0.0400	0.0	0.0	3.82E-06	5.48F-05	2.42F-04	5.99F-04
3	2	35 40	36 41	8830.47	1	1908.47	5.2398	0.0400	0.0	0.0	7.14E-05	1.64E-03	9.61E-03	2.87F-02
7	6	9	10	7492.24	1	1908.58	5.2395	0.0400	0.0	2.09E-06	5.21E-04	7.01E-03	2.98E-02	7.18E-02
6	5	24	25	12389.16	2	1908.84	5.2388	0.0547	0.0	0.0	0.0	0.0	1.60E-06	8.42E-06
8	7	12	13	11642.38	1	1909.65	5.2366	0.0400	0.0	0.0	0.0	5.81F-05	6.68E-04	3•13E-03
5	4	21	22	14776.45	1	1909.81	5.2361	0.0540	0.0	0.0	0.0	0.0	2.26E-05	1 • 75E-04
3	2	32	33	9128.10	2	1909.85	5.2360	0.0435	0.0	0.0	0.0	9.256-06	5.806-05	1.82E-04
6	5	15	16	6185.32 10705.04	2	1909.87	5.2360	0.0400	0.0	0.0	3.59E-05	2.86E-04	8.86E~04	1.73E~03
1	0	42	43	2457.45	2	1910.06	5.2354	0.0505	0.0	0.0	0.0	1.21F-06	1.11E-05	4.47E-05
7	6	18	19	13153.48	2 ⁻	1910.24	5.2349	0.0400	0.0	1.25E-04	1.23E-03	3.30E-03	5.31E-03	6.72E-03
ź	1	37	38	4783.45	2	1910.49 1910.53	5.2343	0.0470	0.0	0.0	0.0	8.37F-06	1.38E-04	8.24E-04
1	ō	49	50	4862.58	1	1910.53	5.2341 5.2323	0.0400	0.0	9.15E-06	2.60E-04	1.185-03	2.62E-03	4-10E-03
9	8	5	6	16483.18	1	1911.20	5.2318	0.0400	0.0	4.70E-04	1.43F-02	6.72F-02	1.52E-01	2.4 IE-01
ś	4	29	30	10132.03	i	1912.02	5.2301	0.0621 0.0400	0.0	0.0	0.0	0.0	2.26F-06	2.30E-05
7	6	8	9	12354.38	ź	1912.60	5.2285	0.0550	0.0	0.0	9.24F-06	3.57E-04	2.865-03	1.05E-02
4	3	26	27	7561.55	2	1912.65	5.2283	0.0350	0.0	0.0 0.0	0.0	0.0	1.49E-06	7.81E-06
2	1	44	45	6060.43	1	1912.91	5.2276	0.0400	0.0	4.775-05	4.33E-06	5.97E-05	2.58E-04	6.27E-04
_	-				-		~		U # U	401112	3.78E-03	2.87E-02	8.66F-02	1.66E-01

VU	٧L	าถ	JĻ	LOWER STATE	CODE	WAVE Number	WAVE Length _	HALF WIDTH	******	** INTEGRATE	ED ** ABSOR **CM-2		EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	·T = 1800
4	3	34	35	8696.97	1	1913.34	5.2265	0.0490	0.0	0.0	8.61E-05	1.88E-03	1 065-00	7 115 00
3	2	39	40	7339.16	1	1913-63	5.2257	0.0400	0.0	2.95F-06	6.50E-04	8.23E-03	1.06E-02 3.37E-02	3-11E-02 7-94E-02
8	7	11	12	14729.70	1	1913.82	5.2252	0.0542	0.0	0.0	0.0.	0.0	2.19E-05	1.68E-04
6	5	14	15	10648.93	2	1914.04	5.2246	0.0517	0.0	0.0	0.0	1.22F-06	1.10E-05	4.39E-05
5	4	20	21	- 9050.34	2	1914.05	5.2245	0.0447	0.0	0.0	0.0	9.71E-06	5.98E-05_	
, 6	5	23	24	11551.01	1	1914.11	5.2244	0.0412	0.0	0.0	0.0	6.24E-05	7.01E-04	3.24E-03
3	2	31	32	6066.97	2	1914.46	5.2234	0.0400	0.0	0.0	4.21E-05	3-20E-04	9.64E-04	1.85E-03
7	6	17	18	13084.58	1	1914.73	5.2227	0.0482	0.0	0.0	0.0	8.63F-06	1 - 40E-04	8-27E-04
9	8	4	5	16461.79	1	1915.11	5.2216	C.0645	0.0	0.0		0.0	,1.93E-05	
1	0	41	42	3301.17	2	1915.16	5.2215	0.0400	0.0	1.78E-04	1.55E-03	3.89E-03	6.04E-03	7.45E-03
2	1	36	37	4646.24	2	1915.29	5.2211	0.0400	0.0	1.24E-05	3.16E-04	1.366-03	2.92E-03	4-47E-03
7	6	7	8	12323.08	2	1916.34	5.2183	0.0574	0.0	0.0	0.0	0.0	1.37E-06	7.13E-06
1	0 +	48	49	4677.40	1	1916.58	5.2176	0.0400	0.0	7.26E-04	1.90E-02	8.29E~02	1.79F-01	2.765-01
5	4	28	29	10021.54	1	1916.67	5.2174	0.0400	0.0	0.0	1.07E-05	3.95F-04	3.08E-03	1.11E-02
4	3	25	26	7465.39	S	1917.03	5.2164	0.0400	0.0	0.0	4.87E-06	6.47E-05	2.73E-04	6.54E=04
8	7	10	11	14686.54	1	1917.80	5.2143	0.0545	0.0	0.0	0.0	0.0	2 · 09E-05	1.60E-04
6	5	13	14	10596.32	2	1918.00	5.2138	0.0528	0.0	0.0	0.0	1.21E-06	1.08E-05	4.29E-05
2	1	43	44	5891.22	1	1918.12	5.2134	0.0400	0.0	7.02E-05	4-85E-03	3.45E-02	9.98E-02	1.87E-01
4 5	3	33	34	8567.12	1	1918-18	5.2133	0.0400	0.0	0.0	1.03E-04	2.13E-03	1 • 17E-02	3.36E-02
5 6	5	19 22	20 23	8976.10	2	1918-22	5.2132	0.0458	0.0	-0.0	0.0	1.01E-05	6.13E-05	1.87E-04
3	2	38	39	11463,27	1	1918.55	5.2123	0.0423	0.0	0.0	1.01E-06	6.65E-05	7.33E-04	3.34E-03
9	8	3	4	7189.73 16443.96	1	1918.66	5.2120	0.0400	0.0	4.13E~06	8.06E-04	9.62E-03	3.805-05	8.75E-02
7	6	16	17	13019.29	1	1918.81	5.2116	0.0676	0.0	0.0	0.0	0.0	1.57E-06	.j.59E-05
3	2	30	31	5952.17	1 2	1918.93	5.2112	0.0493	0.0	0.0	0.0	8-83F-06	1.41E-04	8.25E-04
2	1	35	36	4512.58	2	1919.01	5.2110	0.0400	0.0	0.0	4.91E-05	3.56F-04	, 1.05E-03	_1.97E-03
7	Ĝ	6	7	12295.25	2	1920.02	5.2083	0.0400	0.0	1.66E-05	3.82E-04	1.56E-03	3.24E-03	4.85E-03
ì	ō	40	41	3148.44	2	1920.04 1920.07	5.2082 5.2081		0.0	0.0	.0.0	0.0	1.23E-06	6.39E~06
5	4	27	28	9914.69	1	1921.30	5.2048	0.0400 0.0400	0.0	2.51E-04	1.935-03	4.58E-03	6.85E-03	8.246-03
4	3	24	25	7372.76	2	1921.38	5.2046	0.0400	0.0	0.0	1.23E-05	4.35E-04	3.30E-03	. 1 • 17E-02
8	7	9	10	14646.97	ī	1921.74	5.2036	0.0547	0.0	0.0	5.44E-06	6.976-05	2.87E-04	6.795-04
6	5	12	13	10547-20	2	1921.92	5.2031	0.0540	0.0	~0.0 	0.0	,0.0	1.98E-05	1.50E-04
1	0	47	48	4487.89	1	1921.93	5.2031	0.0400		0.0	0.0	1.20E-06	1.06E-05	4.15E-05
5	4	18	19	8905.38	2	1922.36	5.2019	0.0470	0.0	1.11E-03	_2.51E_02 0.0		2.10E-01	3-14E-01
9	8	2	Э	16429.71	ī	1922.48	5.2016	0.0707	0.0	0.0	0.0	1.05E-05	6.25E-05	1.89E-04
6	5	21	22	11379.15	i	1922.95	5.2003	0.0435	0.0	0.0	1.11E-06	0.0	1.20E-06	1.21F-05
4	3	32	33	8440.93	1	1922.99	5.2002	0.0400	0.0	0.0	1.23E-04	7.06E-05 2.41E-03	7.62E-04	3.42E-03
7	6	15	16	12957.61	1	1923.11	5.1999	0.0505	0.0	0.0	0.0	8.96E-06	1.29E-02	3-62E-02
2	1	42	43	5725.68	1	1923.29	5.1994	0.0400	0.0	1.02E-04	_6.19E~03	4.12E-02	1.41E-04	8-17E-04
3	2	29	30	5840.91	2	1923.54	5.1987	0.0400	0.0	0.0	5.68E-05	3.95E-04	1.136-03	2.09F-01_
3	2	37	38	7043.96	1	1923.65	5.1985	0.0400	0.0	5.71E-06	9.94E-04	1 • 1 2E-02	4.27E-02	2.09E-03
7	6	5	6	12270.90	2	1923.72	5.1983	0.0621	0.0	0.0	0.0	0.0	1.08F-06	5.60E-06
2	1	34	35	4382.47	2	1924.72	5 • 1 956	0.0400	0.0	2.215-05	4.58E-04	1.786-03	3.57E-03	5.24E-03
1	0	39	40	2999.27	2	1924.94	5 4 1 9 5 0	0.0400	0.0	3.508-04	2-40F-03	5.356-03	7.73E-03	9.08E-03
8	7	8	9	14610.99	1	1925.65	5.1931 _	0.0550	0.0	0.0		.0.0	1 .85E-05	1.39E=04
4	3	23	24	7283.66	2	1925.70	5.1929	0.0412	0.0	0.0	6.03E-06	7.46E-05	3.01E-04	7.02E-04
6	5	11	12	10501.59	2	1925.82	5.1926	0.0542	0.0	0.0	0.0	1.17E-06	1.02E-05	3.98E-05
5	4	26	27	9811.48	1	1925.89	5.1924	0.0400	0.0	0.0	1.40E-05	4.75E-04	3.53E-03	1.23E-02
9	8	. 1	2	16419.01	1	1926.12	5.1918	0.0738	0.0	0.0	0.0	0.0	0.0	8 • 13E-96
5	4	17	18	8838.17	2	1926.47	5.1908	0.0482	0.0	0.0	0.0	1.08E-05	6.33E-05	1.89E-04
7	6	14	15	12899,54	1	1927.25	5.1887	0.0517	0.0	0.0	0.0	9.03E-06	1.40E-04	8.04E-04
6	0 5	46 20	47	4306.05	1	1927.25	5.1887	0.0400	0.0	1.69E-03	3.29E-02	1.24E-01	2.46E-01	3.57E-01
•	ם	20	21	11298.67	1	1927.32	5.1886	0.0447	0.C	0.0	1.50E-06	7.435-05	7.87E-,04	3.49E-03

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								CA	KOUN MURUA	i OE					
•	/U	٧L	Jυ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATI	ED ** ABSORI CM-2*.		EFFICTENT *:	*****
					ENERGY		CM-1	MICRON	из	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	_														
	7	6	4	5	12250.03		1927.36	5.1884	0.0645	0.0	0.0	0.0	0.0	0.0	4.75E-06
	4	3	31	32	2318.38		1927.78	5.1873	0.0400	0 • C	0.0	1.45E-04	2.72F-03	1.41E-02	3.88E-02
	3	2	28	29	5733.20		1928+04	5.1866	0.0400	0.0	1.07E~06	6.54E-05	4.35F-04	1.21E-03	2.21E-03
	2	1	41	42	5563.80		1928.44	5 • 1 855	0.0400	0.0	1 • 47E-0 4	7.85E-03	4.90F-03	1.31E-01	2.33E-01
	3	2	36	37	6901.85		1928.62	5.1851	0.0400	0.0	7.83E-06	1.22E-03	1.29E+02	4.78F-92	1.05E-01
	2	1	33	34	4255.91		1929.40	5.1830	0.0400	0.0	2.92E-05	5.45E~04	2.01E-03	3.97F-93	5.65E-03
	8	7	7	8	14578.61		1929.52	5.1826	0.0574	0.0	0.0	0.0	0.0	1.706-05	1.27E-04
	6	5	10	11	10459.48		1929.68	5.1822	0.0545	0.0	0.0	0.0	1.13F-06	9.76E-06	3.78E-05
	9	8	0	1	16411.88		1929.72	5.1821	0.0769	0.0	0.0	0.0	0.0	0.0	4.10E-06
	1	0	38	39	2853.67		1929.79	5.1819	0.0400	1.06E-06	4.85E-04	2.95E-03	6.226-03	8.68E-03	9.97E-03
	4	3	22	23	7198.11		1930.00	5.1813	0.0423	0.0	0.0	6.64E-06	7.94E-05	3.14E-04	7.22E-04
	5	4	25	26	9711.93		1930.45	5.1801	0.0400	0.0	0.0	1.586-05	5.17E-04	3.74E-03	1.29E-02
	5	4	16	17	8774.49	2	1930.55	5.1799	0.0493	0.0	0.0	0.0	1.10E-05	6.36E-05	1.88E-04
	7	6	3	4	12232.63	2	1930.97	5.1787	0.0676	0.0	0.0	0.0	0.0	0.0	3.86E-06
	7	6	13	14	12845.10	1	1931.36	5.1777	0.0528	0.0	0.0	0.0	9.01E-06	1.38F-04	7.86E-04
	6	5	19	20	11221.82	1	1931.66	5.1769	0.0458	0.0	0.0	1.30E-06	7.785-05	8.09E-04	3.556-03
	3	2	27	28	5629.04	2	1932.52	5.1746	0.0400	0.0	1.33F-06	7.48E-05	4.77E-04	1.30E-03	2.32E-03
	4	3	30	31	8199.50		1932.53	5.1746	0.0400	0.0	0.0	1.70F-04	3.04E-03	1.53E-02	4-14E-02
	1	0	45	46	4127.89		1932.55	5.1745	0.0400	0.0	2,54E-03	4.29E-02	1.51E-01	2.86E-01	4.04E-01
	8	7	6	7	14549.82	1	1933.36	5.1723	0.0597	0.0	0.0	0.0	0.9	1.53F-05	1.14E-04
	6	5	9	10	10420.87	2	1933.51	5.1719	0.0547	0.0	0.0	0.0	1.08E-06	9.22E-06	7.55E-C5
	3	2	35	36	6763.42	1	1933.55	5.1718	0.0400	0.0	1.06E-05	1.48E-03	1.49F-02	5.32E-02	1.146-01
	2	1	40	41	5405.60	1	1933.56	5.1718	0.0400	0.0	2.11E-04	9.89E-03	5.79F-02	1 . 49E-C1	2.58E-01
	2	1	32	33	4132.93	2	1934.05	5.1705	0.0400	0.0	3.81E-05	6.45F-04	2.27E-03	4.3CE-03	6.06E-03
	4	3	21	22	7116.09	2	1934.26	5.1699	0.0435	0.0	0.0	7.25E-06	8.396-05	3.26F-04	7.39E-04
	7	6	2	3	12218.71	2	1934.54	5.1692	0.0707	0.0	0.0	0.0	0.0	0.0	2.93E~06
	5	4	15	16	8714.33	2	1934.60	5+1690	0.0505	0.0	0.0	0 • 0	1.125-05	6.36E-05	1.86E-04
	1	0	37	38	2711.64	2	1934.61	5.1690	0.0400	2.C4E-06	6.65E-04	3.62E-03	7.20E-03	9.725-03	1.09E~02
	5	4	24	25	9616.03	1	1934.99	5.1680	0.0400	0.0	0.0	1.776-05	5.59E-04	3.96E-03	1.34F-02
	7	6	12	13	12794.27	1	1935.43	5.1668	0.0540	0.0	0.0	0.0	8.91F-06	1.35E-04	7.62E-04
	6	5	16	19	11148.61	1	1935.97	5.1654	0.0470	0.0	0.0	1.39E-06	8.085-05	8.26E-04	3.58E-03
	9	8	1	0	16408.32	1	1936.81	5,1631	0.0769	0.0	0.0	0.0	n.n	0.0	4.12E-06
	3	2	26	27	5528.43	2	1936.96	5.1627	0.0400	0.0	1.64E-06	8.48E-05	5.21F-04	1.38E-03	2.43F-03
	8	7	5	6	14524.62	. 1	1937.17	5.1622	0.0621	0.0	0.0	0.0	0.0	1.35E-05	1.00E-04
	4	3	29	30	8084.29	i	1937.25	5.1620	C.0400	0.0	0.0	1.98F-04	3.39F-03	1.665-02	4.41F-02
	6.	5	8	9	10385.77	2	1937.31	5.1618	0.0550	0.0	0.0	0.0	1.01E-06	8.60E-06	3.29E-05
	1	0	44	45	3953.41	1	1937.82	5.1604	0.0400	0.0	3.78E-03	5.56E-02	1.826-01	3.326-01	4.55F-01
	7	6	1	2	12208.27		1938.09	5.1597	0.0738	0.0	0.0	0.0	0.0	0.0	1.98E-06
	3	2	34	35	6628.66	. 1	1938.46	5.1587	C • O 4 O O	0.0	1.43E-05	1.79E-03	1.715-02	5.90E-02	1.24F-01
	4	3	20	21	7037.61	2	1938.49	5.1587	0.0447	0.0	0.0	7.86E-06	8.82E-05	3.36E-04	7.53E-04
	5	4	14	15	6657.70	2	1938.62	5.1583	0.0517	0.0	0.0	0.0	1.12E-05	6.31E-05	1.83F-04
	2	1	39	40	5251.08	1	1938.64	5.1583	0.0400	0.0	2.98E-04	1.24E-02	6.81E-02	1.695-01	2.86E-01
	2	1	31	32	4013.51	2	1938.67	5.1582	0.0400	0.0	4.92F-05	7.59E-04	2.54E-03	4.68E-03	6.48E-03
	1	0	36	37	2573.18	2	1939.40	5.1562	0.0400	3.86E-06	9.C4E-04	4.41F-03	8.30E-03	1.08E-02	1.19F-02
	7	6	11	12	12747.07	i	1939.48	5.1560	0.0542	0.0	0.0	0.0	8-72F-06	1.31E-04	7.325-04
	5	4	23	24	9523.78	1	1939.49	5.1560	0.0412	0.0	0.0	1.985-05	6.01E-04	4-16E-03	1.395-02
	6	5	17	18	11079.05		1940.24	5.1540	0.0482	0.0	0.0	1.48E-06	8.34E-05	8.39E-04	3.60E-03
	9	8	S	1	16411.88	1	1940.31	5.1538	0.0738	0.0	0.0	0.0	0.0	0.0	8.24E-06
,	8	7	4	5	14503.03	1	1940.94	5.1521	0.0645	0.0	0.0	0.0	0.0	1.15E-05	8.505-05
	6	5	7	8	10354.17	2	1941.08	5.1518	0.0574	0.0	0.0	0.0	0.0	7.90E-06	3.01E-05
	3	2	25	26	5431.39	2	1941.37	5.1510	0.0400	0.0	2.00F-06	9.56E-05	5.64E-04	1.466-03	2.54E-03
	7	6	C	1	12201.31		1941.60	5.1504	0.0769	0.0	0.0	0.0	0.0	0.0	9.95E-07
	4	3	56	29	7972.75	1	1941.94	5.1495	0.0400	0.0	0.0	2.30E-04	3.75E-03	1.79E-02	4.67E-02

٧u	VL	JU	JL	LOWER	CODÈ	WAVE	WAVE	HALF	*****	* INTEGRATE				*****
				STATE.		NUMBER		HTQIW	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
				ENERGY		CM-1	MICRON	N2	T = 300	1 - 500	1 - 700	, 1200		
		•		• •	-	,				·····				
5	4	. 13	14	86,04.60	2	1942.61	5,1477	0.0528	0.0	0.0		1.12E-05	6.21E-05	1.79E-94
Ã	3	19	2¢	6962.68		1942.70	5.1475	0.0458	0.0	0.0	8.46E-06	9.21E-05	3.44E-04	7.63E-04
1	ō		. 44	3782.62		1943.06	5.1465	0.0400	1.31E-06	5.57E-03,	7.16E-02	2.19E-01	3.83E-01	5 1 2E-01
ž	1	30	31	3897.66		1943.26	5.1460	0.0400	0.0	6.30E-05	8.86E-04	5.83E-03	5.08E-03	6.90E-03
3	2	33.		6497.59		1943.34	5.1458	0.0400	0.0	1,915-05	_2.14E-Q3_	1.94E-02	6.51E-02_	1.34E-01
7	6	10	11	12703.48		1943.49	5.1454	0.0545	0.0	0.0	0.0	8.43E-06	1.25E-04	6.96E-04
2	ī	зě	39	5100.25		1943.70	5.1448	0.0400	0.0	4.18E-04	1.54E-02	7.98E-02	1.91E-01	3-15F-01
9	ā	3	2	16419.01		1943.77	5.1446	0.0707	0.0	0.0	0.0	0.0	1.22E-06	1.23E-05
5	4	.22	23.			1943.96	5-1441	. 0.0423	. 0.0	0 • .0	2-196-05	6+42F,-04	<u>4•35E±</u> 03 _	
1	0	35	36	2438.31		1944.16	5.1436	0.0400	7.18E-06	E0-355.1	5.33E-03	9.51E-03	1.20E-02	1.295-02
6	5	16	17	11013.12	1	1944.48	5.1428	0.0493	0.0	0.0	1.55E-06	8.54E-05	8.46E-04	3.59E-03
8	7	3	4	14485.03		1944.68	5.1422	0.0676	0.0	0.0	0.0	0.0	9.35E-06	6.91E-05
6	5	6	7	10326.08		1944.82	5.1419	0.0597	0.0	0.0	0.0	0.0	7.11E-06	2.70E~05
3	2	24	25	5337.91		1945.76	5.1394	0.0400	0.0	2.41E-06	1.07E-04	6.08E-04	1.54E-03	2.64E-03
5	4	12	13	8555.02	2	1946.57	5.1372	0.0540	0.0	0.0	0.Q,	1.11E-05	6, 06E−05	.J. Z3E-04 _
4	3	27	28	7864.89	1	1946.60	5.1372	0.0400	0.0	0.0	2.64E-04	4 • 1 3E-03	1.92E-02	4.93E-02
4	3	18	19	6891.30		1946.87	5.1364	0.0470	0.0	0 • 0	9.02E-06	9.55E-05	3.51E-04	7.70E-04
9	8	4	3	16429.71	1	1947.19	5.1356	0.0676	0.0	0.0	0.0	0.0	1.62E-06	1.63E-05
7	6	9	10	12663.53	1	1947.46	5.1349	0.0547	0.0	0.0	0.0	8.06E-06	1.19E-04	6.55E-04
2	1	29	30	3785.38	2	1947.82	5.1339	0.0400	0.0	8.00E-05	1.03E-03	3 • 1 4E-03,	5.49E-03	7.32E-03
3	2	32	33	6370.20	1	1948.19	5.1330	0.0400	0.0	2.52E-05.	_2.56E-03 .	2.20E-02	7.16E-02	1.45F-01
1	0	42	43	3615.54	1	1948.27	5.1328	0.0400	2.85F-06	8.15E-03	9.15E-02	2.62E-01	4.41E-01	5.73E-01
8	7	2	3	14470.63	1	1948.38	5.1325	0.0707	0.0	0.0	0.0	0+0	7.125-06	5.25E-05
5	4	21	22	9350.27	1	1948.39	5.1324	0.0435	0.0	0.0	2.40E-05	6.815-04	4.53E-03	1.47E-02
6	5	5	6	10301.50	2	1948.53	5.1321	0.0621	0.0	0.0	0.0	0.40	6.25F-06	2.36E-05
7	6	1	٥	12197.83	2	1948.53	5.1321	C.0769	0.0	0.0	0.0	0.0	0.0	1.00E-06
6	5	15	16	10950.85	1	1948.69	5.1317	0.0505	0.0	0.0	1.62E-06	8.68F-05	8.47E-04	_ 3.56E-03_
2	1	37	38	4953.12	1	1948.74	5.1315	0.0400	0.0	5.80E-04	1.90E-02	9.29F-02	2.15E-01	3.46E-01
1	0	34	35	2307.02	2	1948.90	5.1311	0.0400	1.31E-05	1.626-03	6.40E-03	1.08E-02	1.33E-02	1.40E-02
3	2	23	24	5247,99		1950.11	5.1279	0.0412	0.0	2.875-06	1.19E-04	6.525-04	1.62E-03	2.73E-03
5	4	11	12	8508.98		1950.49	5.1269	0.0542	0.0	0.0	0.0	1.08E-05	5.86E-05	1.66E-04
9	8	5	4	16443.96		1950.58	5.1267	0.0645	0.0	0.0	0.0	0.0	S.00E-06	2.02E-05
4	3	17	18	6823,48		1951.01	5.1256	0.0482	0.0	0.0	9.54E-06	9.83E-05	3.566-04	7.72F-04
4	Э	26	27	7760.70		1951.23	5.1250	0.0400	0.0	0.7	3. C1E-04	4.52E-03	2.05F-02	5.18E-02
7	6	8	9	12627.20		1951.41	5.1245	0.0550	0.0	0.0	0.0	7.59E-06	1.11E-04	6.08F-04
7	6	2	1	12201.31		1951.94	5.1231	0.0738	0.0	0.0	0.0	0.0	0.0	2.00F-06
8	7	1	2	14459.83		1952.05	5.1228	0.07,38	0.0	0.0	0.0	0.0	4.81E-06 5.33F-06	3.54E-05 2.01E-05
6	5	4	5	10280.43		1952.20	5.1224	0.0645	0.0	0.0	0.0	0.0		7.74E-03
2	1	28	29	3676.69		1952.35	5.1220	0.0400	0.0	1.01E-04	1.18E-03	3.475-03	5.90E-03 4.68E-03	1.50F-02
5	4	20	21	9269.02		1952.80	5.1209	0.0447	0.0	0.0	2.62E-05	7+18E-04	8.41E~04	3.50E-03
б	5	14	15	10892.23		1952.87	5 - 1 2 0 7	0.0517	0.0	0.0	1.67E-06	8.75E-05 2.48E-02	7.83E-02	1.55E-01
3	2	31	32	6246.50		1953.00	5.1203	0.0400	0.0	3.29E-05	3.03E-03	3.12F-01	5.05E-01	6.39E~01
1	0	41	42	3452.15		1953-45	5.1191	0.0400	6.11E-06	1.18E-02	1.16E-01		1.46E-02	1.51E-02
1	0	33	34	2179.32		1953-61	5.1187	0.0400	2.35E-05	2.15E-03	7.64E-03	1.23F-02 1.08F-01	2.41E-01	3.79F-01
2	1	36	37	4809.68		1953.74	5.1184	0.0400	0.0	7.99E-04 0.0	2.33E-02 0.0	0.0	2.36E-06	2.395-05
9	8	6	5	16461.79		1953.93	5.1179	0.0621	0.0			1.04E-05	5.605-05	1.585-04
5	4	10	11	8466.48		1954.39	5.1167	0.0545	0.0	0.0 3.39E-06	0.0 1.31E-04	6.95E-04	1.69E-03	2.81E-03
3	2	22	23	5161.65		1954 - 44	5.1166	0.0423	0.0	0.0	1.00F-05	1.015-04	3.58E-04	7.69E-04
4	3	16	17	6759.20		1955.13	5-1147	0.0493	0.0	0.0	0.0	7.03E-06	1.025-04	5.56F-04
7	6	7	8	12594.50		1955.32	5.1143	0.0574 0.0707	0.0	0.0	0.0	0.0	0.0	2.99E-06
7	6	3	2	12208.27		1955+32	5.1143 5.1133	0.0769	0.0	0.0	0.0	0.0	2.42E-06	1.78E-05
8	7	0	1	14452.63		1955.69 1955.82	5.1133	0.0400	0.0	1.20F-06	3.41E-04	4.92E-03	2.18E-02	5.42E-02
4	3	25	26	7660.20		7 A 23 * 85	341164	0.0400	~ • •	- 4545 90	warraw VT			

VU	ν̈L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	ED ** ABSORF		EFFICIENT **	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 150A	T = 1800
6	5	3	4	10262.87	2	1955.84	5.1129	0.0676	0.0	0.0	0.0	0.0	4.34E-06	1.63E-05
2	٠ 1	27	28	3571.58	2	1956.86	5.1102	0.0400	0.0	1.25E-04	1.36E-03	3.81E-03	6.32E-03	8-15F-03
6	5	13	14	10837.26	1	1957.01	5.1098	0.0528	0.0	0.0	1.70E-06	8.74E-05	8.30E-04	3.42F-03
5	4	19	20	9191.44	1	1957.17	5.1094	0.0458	0.0	0.0	2.83E-05	7.52E-04	4.81E-03	1.53E-02
9	8	7	6	16483.18	1	1957.25	5.1092	0.0597	0.0	0.0	0.0	0.0	2.70F-06	2.755-05
3	2	30	31	6126.50	1	1957.79	5.1078	0.0400	0.0	4.25E-05	3.56E-03	2.78E-02	8.53E-02	1.66E-01
5	4	9	10	8427.51	2	1958.25	5.1066	0.0547	0.0	0.0	0.0	9.96E-06	5.30E-05	1.48E-04
1	0	32	33	2055.22	2	1958.29	5.1065	0.0400	4.15E-05	2.81E-03	9.06E-03	1.39E-02	1.60E-02	1.62E-02
1	0	40	41	3292.48	1	1958.60	5.1057	0.0400	1.28F-05	1.69F-02	1.47E-01	3.70E-01	5.76E-01	7.11E-01
7	6	4	3	12218.71	2	1958.67	5.1055	0.0676	0.0	0.0	0.0	0.0	0.0	3.96E-06
2	1	35	36	4669.95	1	1958.71	5.1054	0.0400	0.0	1.09E-03	2.84E-02	1.245-01	2.69E-01	4-14E-01
3	2	21	22	5078,88	2	1958.73	5.1053	0.0435	0.0	3.96E-06	1.43E-04	7.35E-04	1.756-03	2.87E-03
7	6	6	7	12565.43	1	1959.19	5.1041	0.0597	0.0	0.0	0.0	6.38E-06	9.17F-05	4.99E-04
4	3	15	16	6698.49	2	1959.21	5.1041	0.0505	0.0	0.0	1.04E-05	1.02E-04	3.58E-04	7.61E-04
6	5	2	3	10248.82	2	1959.45	5.1035	0.0707	0.0	0.0	0.0	0.0	3.30F-06	1.24E-05
4	3	24	25	7563.39	1	1960.39	5.1010	0.0400	0.0	1.45E-C6	3.84E-04	5.336-03	2.31E-02	5.65E-02
9	e	8	7	16508.13	ı	1960.53	5.1007	0.0574	0.0	0.0	0.0	0.0	3.02E-06	3.086-05
6	5	12	13	10785.94	1	1961.12	5.0991	0.0540	0.0	0.0	1.72E-06	8+64E-05	8-11E-04	3.326-03
2	1	26	27	3470.06	2	1961.33	5.0986	0.0400	0.0	1.54E-04	1.54E-03	4.16E-03	6.74E-03	8.55F-23
5	4	18	19	9117.53	1	1961.51	5.0981	0.0470	0.0	0.0	3.03E-05	7.82E-04	4.92E-03	1.54E-02
7	6	5	4	12232.63	2	1961.99	5.0969	0.0645	0.0	0.0	0.0	0.0	0.0	4.91E-06
5	4	8	9	8392.08	2	1962.09	5.0966	0.0550	0.0	0.0	0.0	'9.37E-06	4.94E-05	1.38E-04
3	2	29	30	6010.21	1	1962.55	5.0954	0.0400	0.0	5.445-05	4.15E-03	3.10F-02	9.25E-02	1.776-01
8	7	1	0	14449.03	1	1962.85	5.0946	0.0769	0.0	0.0	0.0	0.0	2.44E-06	1.79E-05
1	0	31	32	1934.72	2	1962.94	5.0944	0.0400	7.18F-05	3.64E-03	1.07E-02	1.565-02	1.75E-02	1.73E-02
3	2	20	21	4999.68	2	1963.00	5.0942	0.0447	0.0	4.58E-06	1.55E-04	7.73E-04	1.81E-03	2.93E-03
6	5	1	2	10238.29	2	1963.03	5.0942	0.0738	0.0	0.0	0.0	0.7	2.23E-06	8.35E-06
7	6	5	6	12539.99	1	1963.03	5.0942	0.0621	0.0	0.0	0.0	5.64E-06	8.07E-05	4.37E-04
4	3	14	15	6641.34	2	1963.26	5.0936	0.0517	0.0	0.0	1.07E-05	1.03E-04	3.555-04	7.49E-04
2	1	34	35	4533-94	1	1963.65	5.0926	0.0400	0.0	1.47F-03	3.44E-02	1.42E-01	2.98E-01	4.49E-01
1	0	39	40	3136.53	1	1963.73	5.0923	0.0400	2.65E-05	2.40E-02	1-84E-01	4.36E-01	6.54E-01	7.88E-01
9	8	9	8	16536.64	1	1963.78	5.0922	0.0550	0.0	0.0	0.0	0.0	3.31E-06	3.40E-05
4	3	23	24	7470.27	1	1964.93	5.0892	0.0412	0.0	1.75E-06	4.28E-04	5.73F-03	2.43E-02	5.85E-02
6	5	11	12	10738.28	1	1965.20	5.0865	0.0542	0.0	0.0	1.71E-06	8.46F-05	7.85E-04	3.19E-03
7	6	6	5	12250.03	2	1965.27	5.0884	0.0621	0.0	0.0	0.0	0.0	1.135-06	5.82E-06
2	1	25	26	3372.13	2	1965.78	5.0870	0.0400	0.0	1.88E-04	1.74E-03	4.51E-03	7.14F-03	8.92E-03
5	4	17	18	9047.30	1	1965.82	5.0869	0.0482	0.0	0.0	3.21E-05	8.08E-04	5.00E-03	1.55F-02
5	4	7	8	8360.19	2	1965.89	5.0868	0.0574	0.0	0.0	0.0	8.67E-06	4.54E-05	1.26F-04
8	7	2	1	14452.63		1966.38	5.0855	0.0738	0.0	0.0	0.0	0.0	4.87E-06	3.59E-05
6	5	0	1	10231.26	2	1966.57	5.0850	0.0769	0.0	0.0	0.0	0.0	1.12E-06	4.21E-06
7	6	4	5	12518.18	1	1966.84	5.0B43	0.0645	0.0	0.0	0.0	4.84F-06	6.88E-05	3.71E-04
9	8	10	9	16568.71	1	1966.99	5.0839	0.0547	0.0	0.0	0.0	0.0	3.57E-06	3.69E-05
3	2	19	20	4924.07		1967-24	5.0833	0.0458	0.0	5.24F-06	1.67E-04	8.08F-04	1.86E-03	2.97E-03
3	2	28	29	5897.62		1967.27	5.0832	0.0400	0.0	6.91E-05	4.82E-03	3.44F-02	9.99F-02	1.87E-01
4	3	13	14	6587.74		1967.28	5.0832	0.0528	0.0	0.0	1.09E-05	1.02E-04	3.50F-04	7.31E-04
1	o	30	31	1817.82		1967.56	5.0824	0.0400	1.22E-04	4 • 68E-03	1.25E-02	1.746-02	1.90E-02	1.855-02
7	6	7	6	12270.90	2	1968.52	5.0800	0.0597	0.0	0.0	0.0	0.0	1.29E-06	6.69E-06
2	1	33	34	4401.64	1	1968.56	5.0799	0.0400	0.0	1.966-03	4.14F-02	1.625-01	3.30E-01	4-87E-01
1	0	38	39	2984.30		1968.82	5.0792	0.0400	5.37F-05	3.386-05	2.30E-01	5.12E-01	7.39E-01	8.70E-01
6	5	10	11	10694.28		1969.25	5.0781	0.0545	0.0	0.0	1.69E-06	8 • 1 9E-05	7.52E-04	3+04E-03
4	3	22	23	7380.84	1	1969.43	5.0776	0.0423	0.0	2.08E-06	4.75F-04	6.135-03	2.54E-02	6.04E-02
5	4	6	7	8331.84	2	1969.66	5.0770	0.0597	0.0	0.0	0.0	7+86F-06	4.09E-05	1 • 1 3F-0 4
8	7	3	2	14459.83	1	1969.88	5.0765	0.0707	0.0	0.0	0.0	0.0	7.27E-06	5.365-05

VU	٧L	'n	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	*****	** INTEGRATE	ED ** ABSORF	PTION ** COE	FFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
				ENERGY		CM-I	MICRON	***2	. – 554	,				
5	4	16	17	8980.75	1	1970.10	5.0759	0.0493	0.0	0.0	3.38E-05	8.28E-04	5.04E-03.	1.55E-02
9	8	11	10	16604.34	1	1970.16	5.0757	0.0545	0.0	0.0	0.0	0.0	3.80E-06	3.95E-05
2	1	24	25	3277.80	2	1970.20	5.0756	0.0400	0.0	2.27F-04	1.956-03	4.875-03	7.54E-03	9.28E-03
7	6	3	4	12500.01	1	1970.62	5.0745	0.0676	0.0	0.C	0.0	3.96E-06	5.61E-05	3.02E-04
4	3	12	13	6537.71	2	1971.27	5.0729	0.0540	0.0	0.0	1.10E-05	1.01E-04	3,42E-04 .	7.08F-04.
3	2	18	19	4852.04	2	1971.44	5.0724	0.0470	0.0	5.92E-06	1.79E-04	8.39E-04	1.89E-03	3.00E-03
7	-	8	7	12295.25	2	1971.73	5.0717	0.0574	0.0	0.0	0.0	0.0	1 • 44E-06	7.51E-06
3	ž	27	28	5788.74	1	1971.97	5.0711	0.0400	0.0	8.67F-05	5.54E-03	3.79E-02	1.075-01	1.98E-01
1	C	29	30	1704.53	2	1972.16	5.0706	0.0400	2.03E-04	5,94E-03	1.45E-02	1.93E-02	2.05E-02.	
6	5	9	10	10653.94	1	1973.26	5.0678	0.0547	0.0	0.0	1.64E-06	7.835-05	7.12E-04	2.86E~03
9	ē	12	11	16643.52		1973.30	5.0677	0.0542	0.0	0.0	0.0	0.0	4.00F-06	4.18E-05
é	7	4	3	14470.63		1973.34	5.0676	0.0676	0.0	0.0	0.0	0.0	9.62E-06	7.10E-05
5	à	5	6	8307.03	2	1973.40	5.0674	¢.0621	0.0	0.0	0.0	6.95E-06	3.59E-05	9.89E-05
2	1	32	33	4273.06		1973.45	5.0673	0.0400	0.0	2.59F-03	4.94E-02	1.845-01	3.63E-01	5.256-01
6	5	1	٥	10227.75		1973.57	5.0670	0.0769	0.0	0.0	0.0	0.0	1.13E-06_	_4,23E-06
1	ō	37	38	2835.80	1	1973.89	5.0661	0.0400	1.07E-04	4.71E-02	2.84E-01	5.97E-01	8.33E-01	9.57E-01
4	3	21	22	7295.12		1973.90	5.0661	0.0435	0.0	2.45F-0f	5.22E-04	6.51E-03	2.65E-02	6.21E-02
5	4	15	16	8917.88		1974.34	5.0650	0.0505	0.0	0.0	3.536-05	8 • 4 2E-0 4	5.05E-03	1.53E-02
7	6	. 2	E	12485.47		1974.36	5.0649	0.0707	0.0	0.0	0.0	3.03E-06	4.27E-05	2.30E-04
ż	1	23	24	3187.07		1974.59	5.0643	0.0412	0.0	2.72F-04	2.17E-03	5.22E-03	7.91E-03	9.60E-03
7	6	5	8	12323.08		1974.91	5.0635	0.0550	0.0	0.0	0.0	0.0	1.58E-06	8.28E-06
4	3	11	12	6491.25		1975.23	5.0627	0.0542	0.0	0.0	1.09E-05	9.88E-05	3.30E-04	6.80E-04
3	2	17	18	4783.59		1975.62	5.0617	0.0482	0.0	6.62E-06	1.89E-04	8.64F-04	1.92E-03	3.01E-03
9	8	13	12	16686.27		1976.40	5.0597	0.0540	0.0	0.0	0.0	0.0	4.17E-06	4.38E-05
3	2	56	27	5683.57		1976.63	5.0591	0.0400	0.0	1.08E-04	6.34E-03	4.16E-02	1.15E-01	2.08E-01
1	ō	26	29	1594.85		1976.72	5.0589	0.0400	3.33E-04	7.49E-03	1.67E-02	2.14E-02	2.21E-02	2.08E-02
8	7	5	4	14485.03		1976.76	5.0588	0.0645	0.0	0.0	, 0.0	0.0	1.196-05	_8.79E-05
6	5	2	1	10231.26		1977.01	5.0581	0.0738	2.0	0.0	0.0	0.0	2.26E-06	8.46E-06
5	4	4	5	8285.77		1977.10	5.0579	0.0645	0.0	0.0	0.0	5.95F-06	3.06E-05	8.40E-05
6	5	8	9	10617.26		1977.24	5.0576	0.0550	0.0	0.0	1.57F-06	7.38F-05	6.65E-04	2.65F-03
7	6	10	9	12354.38		1978.06	5.0555	C.0547	0.0	0.0	0.0	0.0	1.71E-06	8.99E-06
7	6	1	2	12474.57		1978.06	5.0555	0.0738	0.0	0.0	0.0	2.05E-06	2 • 88F-05	1.55E-04
2	1	31	32	4148.21		1978.30	5.0548	0.0400	0.0	3.40F-C3	5.86E-02	2 - 08E-01	3.97E-01	5.63E-01
4	3	20	21	7213.10		1978.34	5.0547	0.0447	0.0	2.856-06	5.69E-04	6.87E-03	2.74E-02	6.34E-02
5	4	14	15	2858.70	-	1978.56	5.0542	0.0517	0.0	0.0	3.64E-05	8.498-04	5.02E-03	1.51E-02
_	ō	36	37	2691.03		1978.92	5.0533	0.0400	2.09E-04	6.50F-02	3.49E-01	6.93F-01	9.34E-01	1.05F 00
1		22	23	3099.94		1978.94	5.0532	0.0423	0.0	3.21E-04	2.39E-03	5.57E-03	8.26E-03	9.89E-03
2	' 1 3	10	11	6448.35		1979.16	5.0526	0.0545	0.0	0.0	1.07E-05	9.55E-05	3.16E-04	6.46E-04
4	-		13	16732.56		1979.46	5.0519	0.0528	0.0	0.0	0.0	0.0	4.30E-06	4.56E-05
9	8	14		4718.72		1979.77	5.0511	0.0493	0.0	7.32E-06	1.99E-04	8.84E-04	1.93E-03	3.00E-03
3	2 7	16	17 5	14503.03		1980 15	5.0501	0.0621	. 0.0	0.0	0.0	0.0	1.40E-05	1.04E-04
8		3	2	10238.29		1980.13	5.0494	0.0707	0.0	0.0	0.0	0.0	3.37E-06	1.26E-05
6	5	-	_				5.0485	0.0676	0.0	0.0	0.0	4.87E-06	2.50E-05	6.83E-05
5	4	3	4	8268.04		1980.78		0.0545	0.0	0.0	0.0	0.0	1.82E-06	9.64E-06
7	6	11	10	12389.16		1981-17	5.0475 5.0475	0.0574	0.0	0.0	1.47E~06	6.83F~05	6.116-04	2.43E-03
6	5	7	8	10584.25		1981-18	5.0473	0.0400	5.36E-04	9.34E-03	1.92E-08	2.35F-02	2.37E-02	2.19E-02
1	0	27	28	1488.80		1981.26		0.0400	0.0	1.33E-04	7.19E~03	4.53E-02	1.22F-01	2.18E-01
3	2	25	26	5582-12		1981.26	5.0473	0.0769	0.0	0.0	0.0	1.03F-06	1.45E-05	7.79F-05
7	6	. 0	1	12467.30		1981.73	5.0461	0.0769	0.0	0.0	0.0	0.0	4.40E-06	4.70E-05
9	8	15	14	16782.41		1982.49	5.0442		0.0	0.0	3,72E-05	8.49E-04	4.956-03	1.48E-02
5	4	13	14	8803.20		1982.74	5.0435	0.0528		3.28E-06	6.15E-04	7.21E-03	2.82F-02	6.44E-02
4	3	19	20	7134.78		1982.75	5.0435	0.0458	0.0	3.205-00	1.04E-05	9.12E-05	2.99E-04	6.08E-04
4	3	9	10	6409.02		1983.06	5.0427	0.0547	0.0	4.41E-03	6.90E-03	2.335-01	4.33E~01	6.03F-01
2	1	30	31	4027.09	1	1983.12	5.0426	0.0400	0.0	4.414-1.3	07 /JE-VE		01	

νυ	٧L	าก	JL	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	ED ** ABSORE		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	ИЗ	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
2	1	21	22	3016.41	2	1983.27	5.0422	0.0435	0.0	3.76E-04	2.62E-03	5.90E-03	8.58E-03	1.01E-02
a	7	7	6	14524.62	1	1983.50	5.0416	0.0597	0.0	0.0	0.0	0.0	1.61E-05	1.20E-04
6	5	4	3	10248.82		1983.81	5.0408	0.0676	0.0	0.0	0.0	0.0	4.46E-06	1.68E-05
3	2	15	16	4657,45	2	1983.88	5.0406	0.0505	0.0	7.996-06	2.07E-04	8.975-04	1.93E-03	2.97E-03
1	0	35	36	2550.01	1	1983.93	5.0405	C.0400	4.00F-04	8.88E-02	4.27E-01	8.00F-01	1.04E 00	1-15E 00
7	6	12	11	12427.41	2	1984.25	5.0397	0.0542	0.0	0.0	0.0	0.0	1.92E-06	1.02E-05
5	4	2	3	8253.86		1984.42	5.0393	0.0707	0 - C	0.0	0.0	3.72F-06	1.90E-05	5.19E-05
6	5	- 6	7	10554.90	1	1985.09	5.0376	0.0597	0.0	0.0	1.35F-06	6.206-05	5.51F-04	2.18E-03
9	8	16	15	16835.81	1	1985.48	5.0366	0.0505	0.0	0.0	0.0	0.0	4.46E-06	4.81E-05
1	C	26	27	1386.36	2	1985.77	5.0358	0.0400	8.47E-04	1.15F-02	2.18E-02	2.57F-02	2.526-02	2.306-05
3	2	24	25	5484.40	1	1985.87	5.0356	C+0400	0.0	1.62E-04	8.10E-03	4.91F-02	1.29E-01	2.27E-01
8	7	8	7	14549.82		1986.82	5.0332	0.0574	0.0	0.0	0.0	0.0	1.79E-05	1.34E-04
5	4	12	13	8751.40	1	1985.88	5.0330	0.0540	0.0	0+0	3.766-05	8.40E-04	4.85E-03	1.43E-02
4	3	8	9	6373.27		1986.93	5.0329	0.0550	0.0	0.0	9.95E-06	8.586-05	2.79E-04	5.64E-04
4	3	18	19	7060.17		1987.13	5.0324	0.0470	0 • C	3.736-06	6.60E-04	7.50E-03	2.88E-02	6.51E-02
6	5	5	4	10262.87		1987.16	5.0323	0.0645	0.0	0.0	0.0	0.0	5.51E-06	2.07E-05
7	6	13	12	12469.13	2	1987130	5.0320	0.0540	0.0	0.0	0.0	0.0	2.00E-05	1.07E-05
2	1	20	21	2936.50		1987.57	5.0313	0.0447	0.0	4.36E-04	2.846-03	6-215-03	8.875-03	1.03E-02
2	1	29	30	3909.71		1987.91	5.0304	0.0400	0+0	5.66E-03	8.07E-02	2.60F-01	4.70F-01	6+42E-01
3	2	14	15	4599.77		1987.97	5.0303	0.0517	0.0	8.62E-06	2 • 1 3E→04	9.03E-04	1.92E-03	2+92E-03
5	4	1	2	8243.23	2	1988.03	5.0301	0.0738	0.0	0.0	0.0	2.52F-06	1.285-05	3.50E-05
9	8	17	16	16892.75		1988.43	5.0291	0.0493	0.0	0.0	0.0	0.0	4.50E-06	4-89E-05
1	0	34	35	2412.73		1988.91	5.0279	8.0400	7.52F-04	1.206-01	5.18E-01	9.19E-01	1.16E 00	1.25E 00
6	5	5	6	10529.21	1	1988.97	5.0277	0.0621	0.0	0.0	1.21E-06	5.49E-05	4.85E-04	1.91E-03
7	5	1	0	12463.66		1988.97	5.0277	0.0769	0.0	0.0	0, 0	t • 04E06	1.46E-05	7.85E-05
8	7	9	8	14578.61	1	1990.10	5.0249	0.0550	0.0	0.0	0.0	0.0	1.97E-05	1.48E-04
1	0	25	26	1287.55		1990.25	5.0245	0.0400	1.31E-03	1.41E-02	2.47E-02	2+79F-02	2.68E-02	2.40E-02
7	6	14	13	12514.32		1990.31	5.0243	0.0528	0.0	0.0	0.0	0.0	2.07E-06	1.126-05
3	2	23	24	5390.41		1990.44	5.0240	0.0412	0.0	1.95E-04	9.06E-03	5.296~02	1.36E-01	2.36E-01
6	5	6	5	10280.43		1990.47	5.0239	0.0621	0.0	0.0	0.0	0.0	6.52E-06	2.46E-05
4 5	3	.7	. 8	6341.08		1990.76	5.0232	0.0574	0.0	0.0	9.325-06	7.94E-05	2.56E-04	5.15E-04
_	4	11	12	8703.29		1991.00	5.0226	0.0542	0.0	0.0	3.756-05	8.23E-04	4.69E-03	1.38F-02
9	e 3	18 17	17	16953.25		1991.34	5.0217	0.0482	0.0	0.0	0.0	0.0	4.50E-06	4.94E-05
4	4	1 (18	6989.28		1991.47	5.0214	0.0482	0.0	4.20E-06	7.01E-04	7.75E~03	2.93E-02	6.55E-02
5 2	1	19	1 20	8236.14		1991.61	5.0211	0.0769	0.0	0.0	0.0	1.27E-06	6.47E-06	1.76E-05
3	2	13	14	2860.19 4545.69		1991.84	5.0205 5.0200	0.0458	1.07E-06	4.99E-04	3.07E-03	6.508-03	9.116-03	1.05E-02
7	6	. 2	1	12467.30		1992.02		0.0528	0.0	9.17E-06	2.17E-04	9.C1E-04	1.89E-03	2.86E-03
2	1	28	29			1992.53	5.0187	0.0738	0.0	0.0	0.0	2.08F-06	2.925-05	1.576-04
6	5	4	5	3796.07 10507.20		1992.67	5.0184 5.0180	0.0400 0.0645	1.63E-06 0.0	7.20E-03 0.0	9.37E-02 1.04E-06	2.89E-01 4.71E-05	5.08E-01 4.14E-04	6.82E-01
7	6	15	14	12562.97		1992.81 1993.28	5.0169	0.0517	0.0	0.0	0.0	0.0	2.12E-06	1 • 6 2E-03 1 • 1 5E-05
é	7	10	9	14610.99		1993.35	5.0167	0.0547	0.0	0.0	0.0	0.0	2.126-05	1.60E-04
6	5	7	6	10301.50		1993.75	5.0157		0.0	0.0	0.0	0.0	7.46E-06	2.83E-05
1	0	33	34	2279.20			5.0154	0.0597 C.0400	1.39E-03	1.616-01	6.24E-01	1.05E 00		
9	. 8	19	18	17017.28		1993.86	5.0145	0.0470	0.0		0.0	0.0	1.28E 00 4.47E-06	1.35E 00
4	. 3	.6	7	6312.47		1994.22 1994.56	5.0136	0.0597	0.0	0.0 0.0	8.55E-06	7.20E-05	2.31E-04	4.96E-05 4.62E-04
1	0	24	25	1192.36		1994.70	5.0133	0.0597	1.995-03	1.71F-02	2.77E-02	3.01E-02	2.83E-02	2.50E-02
3	2	22	23	5300.14		1994.70	5.0133	0.0400	0.0	2.32E-C4	1.00E-02	5.66E-02	1.43E-01	2.50E-07 2.43F-01
5	4	10	11	2658,86		1995.08	5.0123	0.0545	0.0	0.0	3.70E-05	7.97E-04	4.50E-03	1.31E-02
4	3	16	17	6922.10		1995.79	5.0105	0.0493	0.0	4.66E-06	7.39E-04	7.97E-04	2.96E-02	6.54E-02
3	2	12	13	4495.20		1996.04	5.0099	0.0540	0.0	9.63E-06	2.19E-04	8.91F-04	1.856-02	2.77F-03
7	6	3	2	12474.57		1996.06	5.0099	0.0707	0.0	0.0	0.0	3+10E-06	4.366-05	2.34E-04
ż	1	te	19	2787.51		1996.08	5.0098	0.0470	1.44E-06	5-656-04	3.28E-03	6.75E-03	9.30E~03	1.06E-05
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VU	٧L	Ju	JĻ	LÜWFR STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	6	16	15	12615.09	2	1996.22	5.0095	C.0505	0.0	0.0	0.0	0.0	2.15E-06	1.185-05
8	7	11	10	14646.97	1	1996.55	5.0086	0.0545	0.0	0.0	0.0	0.0	2.26F-05	1.72E-04
6	5	Ξ	4	10488.85	i	1996.62	5.0085	0.0676	C.O	0.0	0.0	3.86E-05	3.37E-04	1.32E-03
6	5	a	7	10326.08	2	1997.00	5.0075	0.0574	0.0	0.0	0.0	0.0	8.35E-06	3.17E-05
9	8	20	19	17084.85	1	1997.06	5.0074	0.0458	0.0	0.0	0.0	0.0	4.42E-06	4.96E-05
2	1	27	28	3686.17	1	1997-40	5.0065	0.0400	2.68F-06	9.07E-03	1.08E-01	3-19E-01	5.47E-01	7.21E-01
4	3	5	6	6287.43	2	1998.33	5.0042	0.0621	0.0	0.0	7.64E-06	6.37E-05	2.03E-04	4.05F-04
5	4	1	C	£232.59	2	1998.67	5.0033	0.0769	0.0	0.0	0.0	1.28E-06	6.52E-06	1.776-05
1	0	32	33	2149.44	1	1998.77	5.0031	0.0400	2.51E-03	2.14E-01	7.46F-01	1.19E 00	1.41E 00	1.46E 00
ı	0	23	24	1100.81	2	1999.12	5.0022	0.0412	2.98E-03	2.05E-02	3.08F-02	3.238-02	2.97E-02	2.59F-02
5	4	9	10	8618.14	1	1999.12	5.0022	0.0547	0.0	0.0	3.59E-05	7.63E-04	4.26E-03	1.24E-02
7	6	17	16	12670.68	2	1999.13	5.0022	0.0493	0.0	0.0	0.0	0.0	2.17E-06	1.20E-05
3	2	21	22	5213.61	1	1999.48	5.0013	0.0435	0.0	2.74E-04	1.11E-02	6.02E-02	1.495-01	2.50E-01
7	6	4	E	12485.47	1	1999.56	5.0011	0.0676	0.0	0.0	0.0	4.08F-06	5.77E-05	3-10E-04
8	7	12	11	14686.54	1	1999.72	5.0007	0.0542	0.0	0.0	0.0	0.0	2.38E-05	1.82E-04
9	8	21	20	17155.96	1	1999.86	5.0003	C-0447	0.0	0.0	0.0	0.0	4.34F-06	4.92E-05
3	2	1 1	12	4448.31	2	2000.04	4.9999	0.0542	0.0	9.96E-06	2.18E-04	8.71F-04	1.79F-03	2.66E-03
4	3	15	16	6858.63	1	2000.07	4.9998	0.0505	0.0	5.12F-06	7.71E-04	8.09E-03	2.97E-02	5.49E-02
6	5	9	8	10354.17	2	2000.21	4.9995	0.0550	0.0	0.0	0.0	1.08E-06	9.16E-06	3.50E-05
2	1	17	18	2718.44	2	2000.29	4.9993	0.0482	1.90F-06	6.33E-04	3.47E-03	6.96E-03	9.43E-03	1.065-02
6	5	2	3	10474.17	1	2000.40	4.9990	0.0707	0.0	0.0	0.0	2.95E-05	2.57F-04	1.00E-03
7	6	18	17	12729.73	2	2002.00	4.9950	0.0482	0.0	0.0	0.0	0.0	2.175-06	1.215-05
4	3	4	5	6265.97	2	2002.07	4.9948	0.0645	0.0	0.0	6.60E-06	5.46E-05	1.736-04	3.44E-04
2	1	26	27	3580.03	1	2002.10	4.9948	0.0400	4.30E-06	1.13E-02	1.24E-01	3.51F-01	5.85E-01	7.58F-01
5	4	2	1	8236.14	2	2002.15	4.9946	0.0738	0.0	0.0	0.0	2.56E-06	1.30E-05	3.54E-05
9	8	22	21	17230.61	1	2002.62	4.9935	0.0435	0.0	0.0	0.0	0.0	4.23E-06	4.86E-05
8	7	13	12	14729.70	1	2002.86	4.9929	0.0540	0.0	0.0	0.0	1.02E-06	2.47F-05	1.91E-04
7	6	5	4	12500.01	1	2003.01	4.9925	C.0645	0.0	0.0	0.0	5.02F-06	7.12E-05	3.84E-04
5	4	8	9	8581.11	1	2003.14	4.9922	0.0550	0.0	0.0	3.44E-05	7-19E-04	3.98F-03	1 - 15E-02
6	5	10	9	10385.77	2	2003.39	4.9915	0.0547	0.0	0.0	0.0	1.165-06	9.895-06	3.80E-05
1	0	22	23	1012.90	2	2003.51	4.9912	0.0423	4.35F-03	2.42E-02	3.41F-02	3.45F-02	3.11E-02	2.67E-C2
1	O	31	32	2023.43	1	2003.66	4.9909	0.0400	4.47E-03	2.81E-01	8.86E-01	1.35E 00	1.55E 00	1.57F 00
3	2	20	21	5130.82	1	2003.96	4.9901	0.0447	0.0	3.19E-04	1.21E-02	6.36E-02	1.54E-01	2.56F-01
3	2	10	11	4405.02	2	2004.00	4.9900	0.0545	0.0	1.015-05	2.14E-04	8.43E-04	1.716-03	2.53F-03
€	5	1	2	10463.16	1	2004.14	4.9897	0.0738	0.0	0.0	0.0	1.995-05	1.74E-04	6.76F-04
4	3	14	15	6798.89	1	2004.31	4.9892	0.0517	0.0	5.556-76	7.96F~04	8.175-03	2.95E-02	6.40F-02
2	1	16	17	2652.99	2	2004.47	4.9888	0.0493	2.46E-06	7.00E-04	3.65E-03	7.12F-03	9.51F-03	1.065-02
7	É	19	18	12792.23	2	2004.84	4.9879	0.0470	0 • C	0.0	0.0	0.0	2.17E-06	1.22F-05
9	8	23	22	17308.79	1	2005.34	4.9867	0.0423	0.0	0.0	0.0	0.0	4.116-06	4.78F-05
5	4	3	2	8243.23	2	2005.59	4.9861	0.0707	0.0	0.0	0.0	3.81E-06	1.94E-05	5.305-05
4	3	3	. 4	6248.08	2	2005.78	4.9856	0.0676	0.0	0.0	5.44E-06	4.47E-05	1.41E-04	2.80E-04
6	7	14	13	14776.45	1	2005.96	4.9851	0.0528	0.0	0.0	0.0	1.04E-06	2.55E-05	1.98E-04
7	6	€	5	12518.18	1	2006.44	4.9840	0.0621	0.0	0.0	0.0	5.91F-06	8.425-05	4.55E-04
6	5	11	10	10420.87	2	2006.54	4.9837	0.0545	0.0	0.0	0.0	1.23E-06	1.058-05	4.075-05
2	1	25	26	3477.63	1	2006.77	4.9831	0.0400	6.78E-06	1.39E-02	1.41E-01	3-83E-01	6.23E-01	7.95F-01
5	4	7	8	8547.78	1	2007.12	4.9823	0.0574	0.0	0.0	3.23E-05	6.66F-04	3.666-03	1.05E-02
7	6	20	19	12858.20	2	2007.64	4.9810	0.0458	0 • 0	0.0	0.0	0.0	2.14E-06	1.226-05
6	5	0	1	10455.82	t	2007.84	4.9805	0.0769	0.0	0.c	0.0	1.01E-05	8.75F-05	3.41E-04
1	0	21	22	928.62	2	2007.88	4.9804	0.0435	6.25E-03	2.84E-02	3.73E-02	3.66F-02	3.23E-02	2.73E-02
3	2	9	10	4365.34	2	2007.93	4.9803	0.0547	0.0	1.026-05	2.08E-04	8.05E-04	1.625-03	2.38E-03
9	8	24	23	17390.49	1	2008.03	4.9800	.0.0412	0.0	0.0	0.0	0.0	3.97E-06	4.68E-05
3	2	19	20	5051.77	1	2008.40	4.9791	0.0458	0 • C	3.68E-04	1.31E-02	6.67E-02	1.59E-01	2.60E-01
1	0	30	31	1901.19	1	2008.52	4.9788	0.0400	7.79E-03	3.65€-01	1.05E 00	1.51E 00	1.69E 00	1.68E 00

٧u	٧L	Ju	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH_	HALF WIOTH		** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1600
4	3	13	14	6742.87	1	2008.53	4.9788	0.0528	0.0	5.93E-06	8.14E-04	.8.17E-03		6.26E-02
2	1	15	16	2591.16	2	2008.62	4.9785	0.0505	3.12E-06	7.66E-04	3.80E-03	7.236-03	9.51E-03	1.05E-02
5	4	4	3	8253,86	2	2009.01	4.9776	0.0676	0.0	0.0	.0,0	5.026-06		7.02E-05
8	7	15	14	14826.79	1	2009.02	4.9776	0.0517	0.0	0.0	0.0	1.05F-06	2.61E-05	2.04E-04
4	3	2	Э	6233.77	2	2009.46	4.9765	0.0707	0.0	0.0	4.18E-06	3.41E-05		.2.13E-04
6	5	12	11	10459.48	٠ 2	2009.65	4.9760	0.0542	0.0	0.0	0.0	1.285-06	1.11E-05	4.31E-05
7	6	7	6	12539.99	1	2009.83	4.9755	0.0597	0.0	0.0	0.0	4 999 44	9.63E-05	5.23E-04
7	6	21	20	12927.62	2	2010.40	4.9741	0.0447	0.0	0.0	0.0	0.0	2.11E-06	1.22E-05
9	8	25	24	17475,72	1	2010.68	4.9734	0.0400	0.0	0.0	0.0	0.0	3.82E-06,	4.56E-05
5	4	6	7	8518.15	1	2011.06	4.9725	0.0597	0.0	0.0	2.97E-05	6.05F-04	3.30E-03	9.43E-03
2	ı	24	25	3379.00	1	2011.41	4.9716	0.0400	1.05E-05	1.70E-02	1.59E-01	4.15E-01	6.61E-01	8.29E-01
3	2	8	9	4329.25	2	2011.83	4.9706	0.0550	0.0	9.98E-06	1.99E-04	7.58E-04	1.51E-03	2.21E-03
8	7	16	15	14880.71	1	2012.04	4.9701	0.0505	0.0	0.0	0.0	1.05E-06	2.65E-05	2.09E-04
1	0	20	21	847.99	2	2012.21	4.9697	0.0447	8.80E-03	3.30E-02	4.06E-02	3.86E-02	3.34E-02	2.79E-02
5	4	5	4	8268.04	2	2012.39	4.9692	0.0645	0.0	0.0	0.0	6.18E-06	3.17E-05	8+69E-05
4	3	12	13	6690.57	1	2012.71	4.9684	0.0540	0.0	6.25E-06	8.24E-04	8.09E-03	2.85E-02	6.07E-02
6	5	13	12	10501.59	2	2012.73	4.9684	0.0540	0.0	0.0	0.0	1.32E-06	3 - 16E-05	4.52E-05
2	1	14	15	2532.96	2	2012.74	4.9684	0.0517	3.88F-06	8.27E-04	3.92E-03	7.29E-03	9.45E-03	1.03E-02
3	2	18	19	4976.46		2012.82	4.9682	0.0470	0.0	4-19E-04	1.40E-02	6.95E-02	1.62E-01	2.63E-01
4	3	1	2	6223.04		2013.10	4.9675	0.0738	0.0	0.0	2.84F-06	2.31E-05	7.26E-05	1.43E-04
7	6	22	21	13000.48		2013.13	4.9674	0.0435	0.0		0.0	.0.0		1.20E-05
7	6	8	7	12565.43	1	2013.18	4.9673	0.0574	0.0	0.0	0.0	7.47E-06	1.08E-04	5.87E-04
9	8	26	25	17564.47	1	2013.29	4.9670	0.0400	0.0	0.0	0.0	0.0	3.65E-06	4.42E-05
1	0	29	30	1782.72		2013.35	4.9668	0.0400	1.33E-02	4.70E-01	1.23E 00	1.69E 00	1.84E 00	1.79E 00
5	4	5	6	8492.22		2014.97	4.9629	0.0621	0.0	0.0	2.65E-05	5.36E-04	2.91E-03	8.27E-03
8	7	17	16	14938.22	•	2015.03	4.9627	0.0493	0.0	0.0	0.0	1.05E-06	2.66E-05	2.12E-04
6	5	1	0	10452.15	1	2015.15	4.9624	0.0769	0.0	0.0	0.0	1.02E-05		3.43E-04
3	2	7	8	4296.77		2015.70	4.9611	0.0574	0.0	9.60E-06	1.865-04	7.02E-04	1.39E-03	2.02E-03
5	4	6	5	8285.77		2015.74	4.9610	0.0621	0.0	0.0	0.0	7.28F-06	3.75E-05	1-93E-04
6	5	14	13	10547.20	2	2015.77	4.9609	0.0528	0.0	0.0	0.0	1.35F-06	1.19E-05	4.70E-05
7	6	23	22	13076.80	2	2015.83	4.9607	0.0423	0.0	0.0	0.0	0.0	2.01E-06	1-18E-05
9	8	27	26	17656.73		2015.86	4.9607	0.0400	0.0	0.0	0.0	0.0	3-47E-06	4.27E-05
2	1	23	24	3284.13	1	2016.01	4.9603	0.0412	1.59E-05	2.05E-02	1.785-01	4.47E-01		8.61E-01
7	6	9	8	12594.50		2016.49	4.9591	0.0550	0.0	0.0	0.0	8.13E-06	1 - 18E-04	6.46E-04
1	Õ	19	20	771.00		2016.51	4.9591	0.0458	1.21F-02	3.78E-02	4.38E-02	4.04E-02	3.43E-02	2.83E-02
4	3	Ó	1	6215.88		2016.71	4.9586	0.0769	0.0	0.0	1.44E-06	1.17E-05	3.66E-05	7.22E-05
2	1	13	14	2478.38		2016.82	4.9583	0.0528	4.71E-06	8.81E-04	3.99E-03	7-28E-03	9.32E-03	1.01E-02
4	3	11	12	6642.00		2016.86	4.9582	0.0542	0.0	6.50E-06	8.23F-04	7.93E-03	2.76E-02	5.84E-02
3	2	17	18	4904.90		2017.20	4.9574	0.0482	0.0	4.73E~04	1.49E-02	7.19F-02	1.65E-01	2.64E-01
8	7	18	17	14999.30		2017.98	4.9555	0.0482	0.0	0.0	0.0	1.03E-06	2.665-05	2.14E-04
1	o	28	29	1668.03		2018.14	4.9551	C.0400	2.24E-02	6.00E-01	1.43E 00	1.88E 00	1.99E 00	1.90E 00
9	8	28	27	17752.52		2018.39	4.9544	0.0400	0.0	0.0	0.0	0.0	3.29E-06	4.11F-05
7	6	24	23	13156.57		2018.49	4.9542	0.0412	0.0	0.0	0.0	0.0	1.94E-06	1.16E-05
6	5	2	1	10455.82		2018.75	4.9536	0.0738	0.0	0.0	0.0	2.03F-05	1.76F-04	6.85E-04
6	5	15	14	10596.32		2018.78	4.9535	0.0517	0.0	0.0	0.0	1.36E-06	1.28E-05	4.85E-05
5	4	4	5	8470.00		2018.85	4.9533	0.0645	0.0	0.0	2.30E-05	4.59E-04	2.48E-03	7.03E-03
5	4	7	6	8307.03		2019.05	4.9528	0.0597	0.0	0.0	0.0	8.29E-06	4.30E-05	1.18E-04
3	5	6	7	4267.90		2019.53	4.9516	0.0597	0.0	9.02E-06	1.71E-04	6.37E-04	1.25E-03	1.81E-03
7	6	10	9	12627.20		2019.77	4.9511	0.0547	0.0	0.0	0.0	8.705-06	1.27E-04	7.01E-04
2	, 1	22	23	3193.03		2020.59	4.9490	0.0423	2.36E-05	2.45E-02	1.976-01	4.79E-01	7.30E-01	8.90E-01
ī	, o	18	19	697.65		2020.78	4.9486	0.0470	1.64E-02	4.29E-02	4.69E-02	4.195-02	3.50E-02	2.86E-05
2	ĭ	12	13	2427.44		2020.88	4.9483	0.0540	5.59E-06	9.26E-04	4.03E-03	7.20F-03	9.10E-03	9.805-03
9	ė	29	28	17851.80		2020.88	4.9483	0.0400	0.0	0.0	0.0	0.0	3.10E-05	3.94E-05
•	_	-,			•		445	300700		~ .		0.0	34106-00	26045-00

VΨ	٧L	JU	JĿ	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRAT	ED ** ABSOR' CM-2*		EFFICIENT *	*******
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
e 4	7 3	19	18	15063.96		2020-89	4.9483	0.0470	0.0	0.0	0.0	1.01F-06	2.65E-05	2.15F-04
	_	10	11	6597-16	1	2020.97	4.9481	0.0545	0.0	6.64€-06	8.12E-04	7.69F-03	2.656-02	5.56E-02
7	6	25	24	13239.77	s	2021-11	4.9478	0.0400	0.0	0.0	0.0	0.0	1.87E-06	1.13F-05
3	2	16	17	4837.09	1	2021.54	4.9467	0.0493	0.0	5.26F-04	1.58E-02	7.386-02	1.67E-01	2.64F-01
6	5	16		10648.93	2	2021.75	4.9462	0.0505	0.0	0.0	0.0	1.37E-06	1.24E-05	4.97E-05
6	5	3	2	10463.16	1	2022.31	8446.4	0.0707	0.0	0.0	0.0	3.02E-05	2.63E-04	1.02E-03
5	4	8	7	8331.84	2	2022.33	4.9448	0.0574	0.0	0.0	0.0	9.21E-06	4.80E-C5	1:33E-04
5	4	3	4	8451.48	1	2022.70	4.9439	0.0676	0.0	0.0	1.89E-05	3.76E-04	5.05E-03	5.72F-03
1	0	27	28	1557-12	1	2022.91	4.9434	0.0400	3.68E-02	7.57E-01	1.65E 00	2.08E 00	2.14E 00	S.01E 00
7	6	11	10	12663.53	1	2023.01	4.9431	0.0545	0.0	0.0	0.0	9.17E-06	1.35F-04	7.50E-04
9	8	30	29	17954.60	1	2023.34	4.9423	0.0400	0.0	0.0	0.0	0.0	2-91E-06	3.756-05
3	2	5	6	4242.63	2	2023.34	4.9423	0.0621	0.0	8.22E-06	1.53E-04	· 5.64E-04	1.10E-03	1.59E-03
7	6	26	25	13326.42	2	2023.70	4.9414	0.0400	0.0	0.0	0.0	0.0	1.79E-06	1.10E~05
8	7	20	19	15132.20	1	2023.76	4.9413	0.0458	0.0	0.0	0.0	0.0	S-61E-05	2.15E-04
4	3	1	0	6212.30	2	2023.83	4.9411	0.0769	0.0	0.0	1.45E-06	1.18E=05	3.69E-05	7.27E-05
6	5	17	16	10705.04	2	2024.69	4.9390	0.0493	0.0	0.0	0.0	1.36E-06	1.256-05	5.06E-05
2	1	11	12	2380.12	2	2024.91	4.9385	0.0542	6.49E-06	9.59F-04	4.02E-03	7.04E-03	8.81E-03	9.42E-03
1	0	17	18	627.96	2	2025.03	4.9382	0.0482	2.18F-02	4.82E-02	4.98F-02	4.33E-02	3.56E~05	2.87F-02
4	3	9	10	6556.05	1	2025.06	4.9381	0.0547	0.0	6.67E~06	7.89E-04	7.35F-03	2.51E-02	5.24E-02
2	1	21	22	3105.69	1	2025.13	449380	0.0435	3.44E-05	5.40E-05	2.17E-01	5.10F-01	7.61E-01	9.15E-01
5	4	9	8	8360.19	2	2025.57	4.9369	0.0550	0.0	0.0	0.0	1.00E-05	5.27E-05	1.46E-04
9	8	31	30	18060.90	1	2025.75	4.9364	0.0400	0.0	0.0	0.0	0 • 0	2.72E-06	3.57E-05
6	5	4	3	10474.17	1	2025.84	4.9362	0.0676	0.0	0.0	0.0	3.986-05	3.47E-04	1.36E-03
3	2	15	16	4773.03	1	2025.86	4.9362	0.0505	0.0	5.78E-04	1.65E-02	7.525-02	1.67E-01	2.62E-01
7	6	12	11	12703.48	1	2026.22	4.9353	0.0542	0.0	0.0	0.0	9.55F-06	1.42E-04	7.945-04
7	6	27	26	13416.50	2	2026.25	4.9752	0.0400	0.0	,0 • c	0.0	0.0	1.71E-06	1.07E-05
5	4	2	3	8436.66	1	2026.51	4.9346	0.0707	0.0	0.0	1.46E-05	2.88E-04 ·	1 • 54E-03	4.35E-03
8	7	21	50	15204.01	1	2026.60	4+9344	0.0447	0.0	0.0	0.0	0.0	2.56E-05	2 • 1 3E-04
3	2	4	5	4220.97	2	2027.11	4.9331	0.0645	0.0	7.236-06	1.32E-04	4.83F-04	9.39E-04	1.35F-03
4	3	2	1	6215.88	2	2027.35	4.9325	0.0738	0.0	0.0	2.89E-06	2.34F-05	7.36E-05	1.45E-04
6	5	18	17	10764.64	2	2027.59	4.9320	0.0482	0.0	0.0	0.0	1.34E-06	1.256-05	5.12F-05
1	0	26	27	1449.99	1	2027.64	4.9318	0.0400	5.94F-02	9.45E-01	1.89E 00	2.29E 00	5.39E 00	5.15E 00
9	8	32	31	18170.69	1	2028.12	4.9307	0.0400	0.0	0.0	0.0	0.0	2.53E-06	3.38E-05
7	6	28	27	13510.01	2	2028.76	4.9791	0.0400	0.0	0.0	0.0	0.0	1.625-06	1.03E-05
5	4	10	9	8392.08	2	2028.79	4.9290	0.0547	0.0	0.0	0.0	1.075-05	5.69E-05	1.59F-Q4
2	1	10	11	2336.44	2	2028.90	4.9288	0.0545	7.34F-06	9.77E-04	3.96E-03	E0-988.6	8.44E-03	8.96E-03
4	3	8	9	6518.68	1	2029.10	4.9283	0.0550	0.0	6.58E-06	7.55E-04	6.93E-03	2.35E-02	4.87E-02
1	0	16	17	561.92	2	2029.24	4.9280	0.0493	2.83E-02	5.34F-02	5.23E-02	4.43E-02	3.59E-02	2.87F-02
6	5	5	4	10488.85	1	2029.33	4.9277	0.0645	0.0	0.0	1.09E-06	4+89E-05	4.29E-04	1.68F-03
7	6	13	12	12747.07	1	2029.39	4.9276	0.0540	0.0	0.0	0.0	9.84F-06	1.48F-C4	8.32E-04
8	7	5 S	21	15279.39	1	2029.39	4.9276	0.0435	0.0	0.0	0.0	0.0	2.50E-05	2.11E-04
2	1	20	21	3022.13	1	2029.64	4.9270	0.0447	4.91F-05	3.39E-02	2.38E-01	5.39E-01	7.89F-01	9.36F-01
3	5	14	15	4712.73	1	2030.14	4,9258	0.0517	0.0	6.27F-04	1.70E-02	7.59E-02	1.67F-01	2.59E-01
5	4	1	2	8425.54	1	2030.26	4.9254	0.0738	0.0	0.0	9.90E-06	1.95E-04	1.04E-03	2,93E-03
6	5	19	18	10827.74	2	2030.46	4.9250	0.0470	0.0	0.0	0.0	1.31E-06	1.25E-05	5.14E-05
9	8	33	32	18283.98	1	2030.46	4.9250	0.0400	0.0	0.0	0.0	0.0	2.34E-06	3.19E-05
4	3	3	2	6223.04	2	2030.83	4.9241	0.0707	0.0	0.0	4.29F-06	3.49F-05	1.10E-04	2-17E-04
3	2	3	4	4202.92	2	2030.85	4.9240	0.0676	0.0	6.056-06	1.09E-04	3.95E-04	7.66E~04	1.10E-03
7	6	29	26	13606.95	2	2031.24	4.9231	0.0400	0.0	0.0	0.0	0.0	1.53F-06	9.86E-06
5	4	11	10	8427.51	2	2031.97	4.9213	0.0545	0 • 6	0.0	0.0	1'-13E-05	6.06E-05	1.70E-04
8	7	23	22	15358.34	1	2032.15	4.9209	0.0423	0.0	0.0	0.0	0.0	2.43E-05	2.07E-04
1	0	25	26	1346.66	1	2032.35	4.9204	0.0400	9.41E-02	1.17E 00	2.15E 00	2.50E 00	2.45E 00	2.22E 00
7	6	14	13	12794.27	1	2032.52	4.9200	0.0528	0.0	0.0	0.0	1.00F-05	1.53E-04	8.64F-04

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRATI	ED ** ABSORI		FFICIENT *	k*****
				FNERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
											•	•	·	
9	e	34	33	1 8400.75	1	2032.75	4.9194	0.0400	0.0	0.0	0.0	0.0	2.16E-06	2.99E-05
6	5	6	5	10507.20	1	2032.79	4.9193	0.0621	0.0	0.0	1.27E-06	5.75E-05	5.07E-04	1.99E-03
2	1	9	10	2296.39	. 2.	2032.86	4.9192	0.0547	8.10E-06	9.79E-04	3.84E-07	6.51E-03	7.99E-03	8 .4 3E-0.3_
4	3	7	8	6485.03		2033.12	4.9185	0.0574	೧. 0	6.35E-06	7.10E-04	6.43E-03	2.16E-02	4.45E-02
6	5	20	19	10894.32		2033.29	4.9181	0.0458	0.0	0.0	0.0	1.28E-06	1.23F-05	5+14E-05.
1	0	15	16	499.54		2033.42	4.9178	0.0505	3.59F-02	5.84F-02	5.45E-02	4.51E-02	3.59E-02	2.84E-02
7	6	30	29	13707.32		2033.68	4.9172	0.0400	0.0	0.0	0.0	0.0		9.42E-06
5	4	C	1	8418.13		2034.02	4.9164	0.0769	0.0	0.0	5.02E-06	9+84E-05	5.25E-04	1.48E-03
2	1	19	20	2942.34	1	2034.12	4.9161	0.0458	6.R6F-05	3.016-05	2.58F-01	5.67E-01	8.13E-01	9.53E~01.
4	3	4	3	6233.77		2034.27	4.9158	0.0676	0.0	0.0	5.63E-06	4+61E-05	1.45E-04	2.88E-04
3	2	13	14	4656.18		2034.39	4.9155	0.0528	0.0	6.72F-04	1.74E-02	7.60E-02	1 -64E-01	2.53E-01
3	2	2	3	4188.48		2034.56	4.9151	0.0707	0.0	4.70E-06	8.37E-05	3.02F-04	5.84E-C4	8.33E-04
8	7	24	23	15440.84	1	2034.87	4.9143	0.0412	0.0	 • u	0.0	0.0	2.34E-05	2.03E-04
9	8	35	34	18521.00	1	2035.01	4.9140	0.0400	0.0	0.0	0.0	0.0	1.98E-06	2.80E-05
5	4	15	11	8466.48		2035.11	4.9137	0.0542	0.0	0 • 0	0.0	1 • 18E-05	6.37E-05	1.80E-04
7	6	15	14	12845.10		2035.62	4.9125	C.0517	0.0	0.0	0.0	1.01E-05	1.56E-04	8.91E-04
7	6	31	30	13811.11	2	2036.08	4.9114	0.0400	0.0	0.0	0.0	0.0	1.35E-06	8.97E-06
6	5	21	20	10964.39		2036.09	4.9114	0.0447	0.0	0.0	0.0	1.24F-06	1.216-05	5.116-05
6	5	7	6	10529.21		2036.22	4.9111	0.0597	0.0	0.0	1.446-06	6∙55€-05	5.80E-04	2.28E-03
2	1	8	9	2259.98		2036.79	4.9097	0.0550	8.69E-06	9.63F-04	3.676-03	6.13E-03	7.46E-03	7.82E-03
1	0	24	25	1247.11	1	2037.02	4.9091	0.0400	1.46E-01	1.43E 00	₹•43E 00		2 • 59E _00	_ 2.32E_00
4	3	6	7	6455.12		2037.10	4.9089	0.0597	0.0	5.97E-06	6.52E-04	5.84F-03	1.95E-02	4.00E-02
9	8	36	35	18644.73		2037.22	4-9086	0.0400	0.0	0.0	0.0	0.0	1 • 81 E~ 06,	2.61F-05
8	7	25	24	15526.91	1	2037.56	4.9078	0.0400	0.0	0.0	0.0	0.0	2.256-05	1.97E-04
1	0	14	15	440.81		2037.57	4.9078	0.0517	4.47E-02	6.32E-02	5.63E-02	4.54E-02	3.57E-02	
4	3	5	4	6248.08		2037.68	4.9075	0.0645	0.0	0.0	6.90E-06	5.67F-05	L.79E-04	3.56E-04
5	4	13	12	8508.9B		2038.22	4.9062	0.0540	0.0	0+0	0.0	1.22E-05	6.64E-05	
3	2	1	2	4177.65		2038.23	4.9062	0.0738	0.0	3.22E-06	5.69E-05	2.04E-04	3-94E-04	5.61E-04
7	6	32	31	13918.32		2038.45	4.9057	0.0400	0.0	0.0	0.0	0.0	1.26E-06	8.51E-06
2	1	18	19	2866.33		2038.57	4.9054	0.0470	9.40F-05	4.47E-02	2.77E-01	5.91F-01	8.33E~01	9.64E-01
3	2	12	13	4603.40		2038.61	4.9053	0.0540	0.0	7.09E-04	1.76E-02	7.53E-02	1.61E-01	2.46E-01
7	6	16	15	12899.54		2038.68	4.9051	0.0505	0.0	0.0	0.0	1.01F-05	1.58E-04	9.11E-04
6	5 8	22	21	11037.95		2038.85	4.9047	0.0435	0.0	0.0	0.0	1.19E-06	1.195-05	5.06E-05
9	5	37 8	36 7	16771.94		, 2039.40	4.9034	0.0400	0.0	0.0	0.0	0.0	1.65E-06	2.43E-05
6 8	7	26		10554.90		2039.60	4.9029	0.0574	0.0	0.0	1.58E-06	7.27E-05	6.48E-04	2.56F~03
2	í	7	25 8	15616.54		2040.20	4.9015	0.0400	0.0	0.0	0.0	0.0	2.156-05	1.91E-04
7	6	33	32	2227.21 14028.93		2040.70	4.9003	0.0574	9.05E-06	9.27E-04	3.44E-03	5.68E-03	6.86E-03	7.155-03
4	3	5	6	6428.95		2040.78	4.9001	0.0400	0.0	0.0	0.0	0.0	1.17E-06	8.05E-06
4	3	6	5	6265.97		2041.05	4.8994	C.0621	0.0	5.46F-06	5.84F~04	5.18E-03	1.71E-02	3.51E-02
5	4	14	13	£555.02		2041.06 2041.29	4.8994 4.8989	0.0621 0.0528	0.0	0.0	8.05E-06	6.67E-05	2.12E-04	4.22E-04
5	4	1	0	8414.43		2041.40	4.8986	0.0769	0.0	0.0	0.0 5.06E-06	1.25E-05 9.92E-05	6.85E-05	1.97E-04
9	8	38	37	18902.61		2041.53	4.8983	C+0400	0.0	0.0	0.0	0.0	5.29E-04	1.49E-03
6	5	23	22	11114.98		2041.58	4.8982	0.0423	0.0	0.0	0.0		1.50E-06	2.25E-05
1	ō	23	24	1151.37		2041.66	4.8980	0.0412	3.25E-01	1.73E 00		1.13E~06 2.93E 00	1.15E-05 2.74E 00	4.98E-05 2.41F 00
i	ő	13	14	385.75		2041.69	4.8979	0.0528	5.44E-02	6.74E-02	5.74E-02	4.54F-02	3.52E+02	2.74E-02
7	6	17	16	12957.61		2041.70	4.8979	0.0493	0.0	0.0	0.0	1.00E-05	1.59E-04	9.25E-04
3	2	ò	1	4170.43		2041.87	4.8975	0.0769	0.0	1.64E-06	2+88E-05	1.03E-04	1.99E-04	2.83E-04
3	2	11	12	4554.37		2042.79	4.8953	0.0542	0.0	7.37E-04	1.76E-02	7.39E-02	1.56E-01	2.83E-04 2.37E-01
8	7	27	26	15709.71		2042.80	4.8952	0.0400	0.0	0.0	0.0	0.0	2.05E-05	1.85E-04
6	5	9		10584.25		2042.95	4.8949	0.0557	0.0	0.0	1.70E-06	7.91F-05	7.10E-04	2.82E-03
2	ī	17	18	2794.11		2042.98	4.8948	0.0482	1.26F-04	5.04E-02	2.95E-01	6.12E-01	8.47E-01	9.70E-01
7	6	34	33	14142.96		2043.07	4.8946	0.0400	0.0	0.0	0.0	0.0	1.08E-06	7.58E-06
•	_		~-		_	,			~	~ • -	V		1 = 00 = 00	

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νu	VL	JU	JL	LOWER	CODE	WAVE NUMBER	WAVE LENGTH	HALF '	******	** INTEGRAT	_ ED ** ABSORP CM-2*A		FFICIENT *******
				STATE		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500 T = 1800
				ENERGY		C14-1	MICKUN	144	555	. – 550	-		
9	e	39	38	19036.74	1	2043.63	4.8933	0.0400	0.0	0.0.	0.0	0.0	1.35E-06 _ 2.08E-05
6	5	24	23	11195.50	2	2044.27	4.8917	0.0412	0.0	0.0	0.0	1.08E~06	1.11E-05 4.88E-05
5	4	15	14	8664.60		2044.33	4.8916	0.0517	0.0	0.0	0.0	1.26E-05	7.01E-05 2.03E-04
4	3	7	6	6287.43		2044.41	4.8914	0.0597	0.0	0.0	9.09E-06	7.60E-05	2.43E-04 4.85E-04
ż	1	6	7	2198.07		2044.56	4.8910	0.0597	9.12E-06	8.71E-04	3.16E-03	5.165-03	6.18E-036.42E-03
7	6	18	17	13019.29		2044.68	4.8907	0.0482	0.0	0.0	0.0	9.89F-06	1.59F-04 9.34E-04
4	3	4	5	6406.52		2044.96	4.8901	0.0645	0+0	4.81E-06	5.05E-04	4-44F-03	1.46F-02 2.98E-02
Ś	4	2	1	8418.13		2045.03	4.8899	0.0738	0.0	0.0	1.01E-05	1.98E-04	1.06E-03 2.97E-03
7	6	35	34	14260.39		2045.33	4.8892	G.0400	0.0	0.0	0.0	0.0	0.0
ė	7	28	27	15806.43		2045.37	4.8891	0.0400	0.0	0.0	0.0	0 • 0	1.94E-05 1.77E-04
9	ė	40	39	19174.33		2045.68	4.8883	0.0400	0.0	0.0	0.0	0.0	1.2SE-06 1.91E-05
í	ō	12	13	334.34		2045.78	4.8881	0.0540	6.48F-02	7.09E-02	5.80E-05	4.49F-02	3.44E-02 2.65E-02
ï	Ö	22	23	1059.42	1	2046.27	4.8869	0.0423	3.32E-01	2.07F 00	3.03E 00	3.14E 00	2.87E 00 2.49E 00
6	5	10	9	10617.26		2046.27	4.8869	0.0547	0.0	0.0	1.79E-06	8.46E-05	7.65E-04 3.06E-03
6	5	25	24	11279.49		2046.93	4.8854	0.0400	0.0	0.0	. 0.0	1.01E-06	1.07E-05 4.76E-05
3	2	10	11	4509.11	1	2046.94	4.8853	0.0545	0.0	7.54E-04	1.74E-02	7.16E-02	1.50E-01 2.25E-01
5	4	16	15	E657.70	2	2047.34	4.8844	0.0505	0.0	0.0	0.0	1.266-05	7.12F-05 2.08E-04
2	1	16	17	2725.67	1	2047.37	4.8843	0.0493	1.66F-04	5.625-02	3.116-01	6.585-01	8.57E-01 9.70E-01
7	6	36	35	14381.22	2	2047.55	4.8839	0.0400	0.0	0.0	0.0	0.0	0.0 6.65E-06
7	6	19	18	13084.58	' 1	2047.63	4.8837	0.0470	0.0	0.0	0.0	9±67E-06	1.58E-04 9.37E-04
9	8	41	40	19315.37	1	2047.69	4.8836	0.0400	0.0	0.0	0.0	0.0	1.09E-061.75E-05
4	3	8	7	6312.47	2	2047.72	4.8835	0.0574	0.0	0.0	1.00E-05	8 • 4 4E-05	2.71E-04 5.44E-04
8	7	29	28	15906.70	1	2047.90	4.8831	0.0400	0.0	0.0	0.0	0.0	1.82F-05 1.70E-04
2	1	5	6	2172,57	2	2048.40	4.8819	0.0621	8.85E-06	7.95E-04	2.83E-03	4.57E-03	5.44E-03 5.63E-03
5	4	3	2	8425.54	1	2048.63	4.8813	0.0707	0.0	0.0	1.50E-05	2.95E-04	1.58E-03 4.44E-03
4	3	3	4	6387.82	1	2048.84	4.8808	0.0676	0.0	4.035-06	4 - 17E-04	3.64E-03	1.19E-02 2.43E-02
3	2	1	0	4166.B2	2	2049.06	4.8803	0.0769	0.0	1.66E <u>#</u> 06_		1.04E-04	2.00E-042.85E-04
6	5	11	10	10653.94	1	2049.54	4.8791	0.0545	0.0	0.0	1.86E-06	8.92E-05	8.14E-04 3.27E-03
6	5	26	25	11366.95	2	2049.55	4.8791	0.0400	0.0	0.0	0.0	0.0	1.03E-05 4.62E-05
9	8	42	41	19459.85	1	2049.66	4.8789	0.0400	0.0	0.0	0+0	0.0	0.0 1.60E-05
7	6	37	36	14505.45	2	2049.73	4.8787	0.0400	0.0	0.0	0.0	0.0	0.0 6.19F-06
1	0	11	12	266.60	2	2049.84	4.8784	0.0542	7.53F-02	7.356-02	5.79E-02	4.40F-02	3.33E-02 2.55E-02
5	4	17	16	8714.33	2	2050.31	4.8773	0.0493	0.0	0.0	0.0	1.25E-05	7.18E-05 2.11F-04
8	7	30	29	16010.51		2050.39	4.8771	0.0400	0.0	0.0	0 + 0	0.0	1.71E-05 1.62E-04
7	6	20	19	13153.48	1	2050.53	4.8768	0.0458	0.0	0.0	0.0	9.386-06	1.56E-04 9.35E-04
1	0	21	22	971.28		2050.85	4.8760	0.0435	4.85E-01	2.45E 00	3.34E 00	3.35E 00	3.00E 00 2.56F 00 2.98E-04 6.00E-04
4	3	9	8	6341.08		2051.00	4.8757	0.0550	0.0	0.0	1.08E-05	9-19E-05	. · · · -
3	2	9	10	4467.62		2051.06	4.8755	0.0547	0.0	7.59E-04	1.69E-02	6.86E-02	
9	8	43	42	19607.77		2051.59	4.8743	0.0400	0.0	0.0	_0.0	0.0	0.0 1.45E-05 8.60E-01 9.64E-01
2	1	15	16	2661.01	1	2051.72	4.8740	0.0505	2.13E-04	6.18E-02	3.26E-01	6.40E-01	
7	6	38	37	14633.06		2051.87	4.8736	0.0400	0.0	0.0	0.0	0.0	0.0 5.75E-06 9.79E-06 4.47E-05
6	5	27	26	11457.88		2052.13	4.8730	0.0400	0.0	0.0	0.0	0+0	9.79E-06 4.47E-05 2.08E-03 5.88E-03
5	4	4	3	8436.66		2052.20	4.8728	0.0676	0.0	0.0	1.96E-05	3.88E~04	
2	1	4	5	2150.72		2052.21	4.8728	0.0645	8.50E-06	6.995-04	2.44F-03	3.91E-03	
3	2	2	1	4170.43		2052.61	4.8718	0.0738	0.0	3.30E-06	5.79E-05	2.08E-04	4.00E-04 5.69E-04 9.09E-03 1.84E-02
4	3	2	3	6372.86		2052.68	4.8717	0.0707	0.0	3.13E~06	3.21E-04	2.78E-03	
6	5	12	11	10694.28		2052.78	4.8714	0.0542	0.0	0.0	1.90E-06	9.296-05	8.56F-04 3.46F-03 1.59F-05 1.54E-04
8	7	31	30	16117.86		2052.83	4.8713	0.0400	0.0	0.0	0.0	0.0	7.19E-05 2.14E-04
5	4	18	17	8774.49		2053.25	4.8703	0.0482	0.0	0.0	0.0	1.24E-05 9.04E-06	1.535-04 9.285-04
7	6	21	20	13225.99		2053.4C	4.8700	0.0447	0.0	0.0	0.0	0.046-08	0.0 1.32E-05
9	8	44	43	19759.12		2053.48	4.8698	.0.0400	0.0	0.0 7.50E-02	0.0 5.70F-02	4.26E-02	3.19E-02 2.43E-02
1	0	10	11	242.53		2053.86	4.8689	0.0545	8.54E-02				
7	6	39	38	14764.06	2	2053.98	4.8686	0.0400	0.0	0.0	,,0_• 0	.0.0	0.0 5.32F- <u>06</u>

VU	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HÅLF Width	******	** INTEGRATE	ED ** ABSORT		FFICIENT **	*****
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
4	3	10	9	6373.27		2054.25	4.8680	0.0547	0.0	0.0	1.14E-05	9.85E-05	3.21E-04	6.51E-04
6	5	28	27	11552.28	2	2054.68	4.8669	0.0400	0.0	0.0	0.0	0.0	9.28E-06	4.30F-05
3	2	8	9	4429.89	1	2055.14	4.8658	0.0550	0.0	7.49E-04	1.62E-02	6.47E-02	1.33E-01	1 •97E-01
8	7	32	31	16228.73	• 1	2055.24	4.8656	0.0400	0.0	0.0	0.0	0.0	1.4BE-05	1.45E-04
9	8	45	44	19913.90	1	2055.33	4.8654	0.0400	0.0	0.0	0.0	0.0	0.0	1.19E-05
1	0	20	21	886.95	1	2055.4C	4.8652	0.0447	6.95E-01	2.87E 00	3.66E 00	3.54E 00	3.11E 00	2.62E 00
5	4	5	4	8451.48	1	2055.72	4.8645	0.0645	0.0	0.0	2.40E-05	4.78E-04	2.57E-03	7+28E-03
2	1	3	4	2132.50		2055.98	4.8639	0.0676	7.17E-06	5.85E-04	2.02E-03	3.20E~03	3.78F-03	3.89E-03
6	5	13	12	10738.28	1	2055.99	4.8638	0.0540	0.0	0.0	1.93E-06	9.566-05	8.90E-04	3.63E-03
2	1	14	15	2600.15	1	2056.04	4.8637	0.0517	2.68E-04	6.72E-02	3.37E-01	6-47E-01	8.56E-01	9.51E-01
7	6	40	39	14898.44	2	2056.05	4.8637	0.0400	0.0	0.0	0.0	0.0	0.0	4.91E-06
3	2	3	2	4177.65	2	2056.12	4.8635	0.0707	0.0	4.87F-06	8.60E-05	3.09E-04	5.96E-C4	8.51E-04
5	4	19	18	8838.17	2	2056.15	4.8635	0.0470	0.0	0.0	0.0	1.21F-05	7.15E-05	2.15E-04
7	6	22	21	13302.10	1	2056.24	4.8632	0.0435	0.0	0.0	0.0	8.66F-06	1.49E-04	9-16E-04
4	3	1	2	6361.64	1	2056.49	4.8627	0.0738	0.0	2.15E~06	2.18E-04	1.88E-03	6.14E-03	1.24E-02
9	e	46	45	20072.09	1	2057-13	4.8611	0.0400	0.0	0.0	0.0	0.0	0.0	1.08E-05
6	5	29	28	11650.14	2	2057.19	4.8610	0.0400	0.0	0.0	0.0	0.0	8.76E-06	4.13E-05
4	3	11	10	6409.02	г	2057.46	4.8604	0.0545	0.0	0.0	1.18F-05	1 • C4E-04	3.42E-04	6.97E-04
8	7	33	32	16343.14	1	2057.61	4.8600	0.0400	0.0	0.0	0.0	0.0	1.37E-05	1.37E-04
1	0	9	10	202.12	2	2057.86	4.8594	0.0547	9.43E-02	7.52E-02	5.54E-02	4.07E-02	3.02E-02	2.28E-05
7	6	41	40	15036.20	2	2058.08	4.8589	0.0400	0.0	0.0	0.0	0.0	0.0	4.51E-06
9	8	47	46	20233.70	1	2058.90	4.8570	0.0400	0.0	0.0	0.0	0.0	0.0	9.67E-06
5	4	20	.19	8905.38	2	2059.01	4.8567	0.0458	0.0	0.0	0.0	1.18F-05	7.06E-05	2.14E-04
7	6	23	22	13381.82	1	2059.03	4.8567	0.0423	0.0	0.0	0.0	8.24F-06	1.45F-04	9.00E-04
6	5	14	13	10785.94	1	2059.16	4.8563	0.0528	0.0	0.0	1.92F-06	9.73E-05	9.17E-04	3.77E-03
3	2	7	8	4395.93	1	2059.19	4.8563	0.0574	0.0	7,23E~04	1.52F-02	6.00E-0S	1.226-01	1.81E-01
5	4	€	5	E470.00	1	2059.22	4.8562	0.0621	0.0	0.0	2.80F-05	5.62E-04	3.04E-03	9.62E-03
3	2	4	3	4188.48	2.	2059.60 .	4.8553	0.0676	0.0	6.33E-06	1.13E-04	4.08E-04	7.89E-04	1.13F-03
6	5	30	29	11751.45	2	2059.66	4.8552	0.0400	0.0	0.0	0.0	0.0	8.246-06	3.946-05
2	1	2	3	2117.93		2059.72	4.8550	0.0707	5.77E-06	4.55F-04	1.55E-03	2.45E-03	2.88E-03	2.96E-03
1	0	19	20	806.42		2059.91	4.8546	0.0458	9.76F-01	3.32E 00	3.97E 00	3.72E 00	3.20E 00	2.67E 00
8	7	34	33	16461.06	1	2059.94	4.8545	0.0400	0.0	0.0	0.0	0.0	1.26E-05	1.29E-04
7	6	42	41	15177.32	2	2060.07	4.8542	0.0400	0.0	0.0	0.0	0.0	0.0	4.13E-06
4	3	0	1	6354.16		2060.27	4.8537	0.0769	0.0	1.10E-06	1.10E-04	9.51E-04	3.10E-03	6.27E-03
2	1	13	14	2543.08		2060.32	4.8536	0.0528	3.29F-04	7.20E-02	3.45E-01	6-48F-01	8-46E-01	9.31F-01
9	8	48	47	20398.72		2060.62	4.8529	0.0400	0.0	0.0	0.0	0.0	0.0	9.66E-96
4	3	12	11	6448.35		2060.63	4.8529	0.0542	0.0	0.0	1.21E-05	1.08E-04	3.60F-04	7.38E-04
7	6	24.	23	13465.12		2061.79	4.8502	0.0412	0.0	0.0	0.0	7.79E-06	1.40F-04	8.80E-04
1	o	e	9	165.38		2061.83	4.8501	0.0550	1.01E-01	7.40F-02	5.30E-02	3.84E-02	2.83E-02	2.125-02
5	4	21	20	8976-10		2061.85	4.8500	0.0447	0.0	0.0	0.0	1.14F-05	6.94E-05	2.13E-04
7	6	43	42	15321.80		2062.02	4.8496	0.0400	0.0	0.0	0.0	0.0	0.0	3.77E-06
6	5	31	30	11856.22		2062.10	4.8494	0.0400	0.0	0.0	0.0	0.0	7.71E-06	3.75E-05
8	7	35	34	16582.50		2062.23	4.8491	0.0400	0:0	0.0	0.0	0-0	1.16E-05	1.205-04
6	5	15	14	10837.26		2062.29	4.8490	0.0517	0.0	0.0	1.90E-06	9.826-05	9.37E-04	3.885-03
9	8	49	48	20567-13		2062.30	4.8490	0.0400	0.0	0.0	0.0	0.0	0.0	7.73E-06
Ś	4	7	6	8492.22		2062.67	4.8481	0.0597	0.0	0.0	3.16F-05	6.39E-04	3.48F-03	9.90E-03
3	2	5	4	4202.92		2063.05	4.8472	0.0645	0.0	7.66E-06	1.38E-04	5 02E-04	9.74E-04	1.40E-03
3	٠2	6	7	4365.74		2063.21	4.8468	0.0597	0.0	6.81E-04	1.40E-02	5.45E-02	1.10E-C1	1.62E-01
2	1	1	2	2107.00		2063.43	4.8463	0.0738	4.06E-06	3.12F-04	1.05E-03	1.66E-03	1.95F-03	1.99E-03
4	3	13	12	6491.25		2063.78	4.8455	0.0540	0.0	0.0	1.236-05	1.12E-04	3.75E-04	7.74E-04
7	6	44	43	15469.65		2063.94	4.8451	0.0400	0.0	0.0	0.0	0.0	0.0	3.43E-06
9	ě	50	49	20728.93		2063.94	4.8451	0.0400	0.0	0.0	0.0	0.0	0.0	6.88E-06
í	ō	18	19	729.71		2064.39	4.8440	0.0470	1.34E 00	3.80E 00	4.27E 00	3.89E 00	3.28E 00	2.70E 00
•	~	• •	• /	> 1	-	2007003	40440	200770	110.76, 00	24005 00	44516 00	3 6 3E 00	ABENE UV	201012 00

vu	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH ".	*****		ED ** ABSOR		FFICIENT **	******
		•		ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
		-									,			
8	7	36	35	16707.46	1	2064.48	4.8438	0.0400	0.0	.0.0,	0.0	0,0	1.06E-05	1.12E-04
7	6	25	24	13552.03	1	2064.50	4.8438	0.0400	0.0	0.0	0.0	7.32E-06	1.345-04	8.56E-04
6	5	32	31	11964.44	2	2064.50	4.8438	0.0400	0.0	0.0	0.0	0.0	7.18E-06	3.56E-05
2	1	12	13	2489.80	1	2064.57	4.8436	0.0540	3.95E-04	7.61E-02	3.50E-01	6.43E-01	8.29E-01	9.04E-01
5	4	22	21	9050.34	. 2	2064.64	4.8435	0.0435	0.0	0.0	.0.0	1.09E-05	6.78E-05	2.11E-04
6	5	16	15	10892.23	1	2065.38	4.8417	0.0505	0+0	0.0	1.86E-06	9.82E-05	9.50E-04	3.97E-03
9	8	51	50	20914.12	1	2065.54	4.8413	0.0400	0.0	0.0	0.0	0.0	0.0	6.11E-06
1	0	7	8	132.31		2065.76	4.8408	0.0574	1.06E-01	7.13E-02	4.97E-02	3.55E-02	2.60E-0S	1.94E-02
7	6	45	44	15620.85		2065.82	4.8407	0.0400	.0.0	O • Q ,	_ 0.0,	0•0,	0.0	3.12E-06
5	4	8	7	8518.15		2066.10	4.8400	0.0574	0.0	0.0	3.47E-05	7.09E-04	3.88E-03	1.11F-02
3	2	6	5	4220.97		2066.46	4.8392	0.0621	0.0	8.81E-06	1.61E-04	5.91E-04	1.15E-03	1.65E-03
8	7	37	36	16835.92		2066.69	4.8387	0.0400	0.0	0.0	0.0	0.0	9.62E-06	1.04E-04
6	5	33	32	12076.10		2066.86	4.8383	0.0400	0.0	0.0	0.0	0.0	6.66E-06	3.36E-05
4	3	14	13	6537.71		2066.88	4.8382	0.0528	0.0	0.0	1 • 23E-05	1 • 1 4E → 04	3.87E-04	8.05E-04
9	8	52	51	21092.69		2067.09	4.8377	0.0400	0.0	0.0	0.0	0.0	0,0	
2	1	0	1	2099.72		2067.10	4.8377	0.0769	2.10E-06	1.59E-04	5.34E-04	8.37E-04	9.81E-04	1.00E-03
7	6	26	25	13642.53		2067.18	4.8375	0.0400	0.0	0.0	0.0	6.84E-06	1.28E-04	8.29E-04
3	2	5	6	4339.32		2067-19	4.8375	0.0621	0.0	6.23F-04	1+26E-02	4.83E-02	9.71E-02	1 -4 2E-01
5	4	23	22	9128.10		2067.40	4.8370	0.0423	0.0	0.0	0.0	1.04E-05	6.59E-05	2.07E-04
7	6	46	45	15775.39		2067.65	4.8364	0.0400	0.0	0.0	0.0	0.0	0.0	S-85E-06
4	3	1	0	6350.41	1	2067.71	4.8363	0.0769	0.0	1.11E-06	1 . 1 2E-04	9.59E-04	3.125-03	
6	5	17	16	10950.85		2068.43	4.8346	0.0493	0.0	0.0	1.80E-06	9.74E-05	9.55E-04	4.03E-03
9	8	53	52	21274.62		2068.60	4.8342	0.0400	0.0	0.0	0.0	0.0	0.0	4.76E-06
2	1	11	12	2440.32		2068.79	4.8337	0.0542	4.63F-04	7.92E-02	3.50E-01	6.31E-01	8.04E-01	8-70E-01
ı	0	17	18	656.82		2068-84	4.8336	0.0482	1.81E 00	4.29E 00	4.56E 00	4.03E 00	3.34E 00	2.72E 00
8	7	38	37	16967.88		2068.86	4.8336	0.0400	0.0	0.0	0.0	0.0	8.71E-06	9-62E-05
6	5	34	33	12191.21	2	2069.18	4.8328	0.0400	0.0	0.0	, 0.0.	0.0	6.15E-06	3.16E-05
7	6	47 9	46	15933.27		2069.45	4.8322	0.0400	0.0	0.0	0.0	0.0	0.0	2.54E-06
5			8	8547.78	1	2069.48	4.8321	0.0550	0.0	0.0	3.73E-05	7.71E-04	4.25E-03	1.22E-02
1 7	0	6 27	7	102.91	2	2069.66	4.8317	0.0597	1.07E-01	6.71E-02	4.57E-02	3.23E-02	2.34E-02	1.74E-02
Ś	6 2	7	26 6	13736.61	1	2069.82 2069.84	4.8313 4.8313	0.0400 0.0597	0.0	0.0 9.77E-06	0.0 1.82E-04	6.75F-06 6.73E-04	1.21E-04 1.32E-03	8.00E-04 1.90E-03
4	3	15	14	6587.74	2	2069.96	4.8310	0.0597		0.0	1.22E-05	1.15E-04	3.96E-04	B.30E-04
9	8	54	53	21459.91	1	2070.07	4.8308	0.0317	0.0	0.0	0.0	0.0	0.0	4 • 19E-06
5	4	24	23	9209.37		2070.12	4.8306	0.0412	0.0	0.0	0.0	9.885-06	6.376-05	2.035~04
8	7	39	38	17103.34	1	2070.99	4.8286	0.0400	0.0	0.0	0.0	0.0	7.86E-06	8.87E-05
3	2	4	5	4316.68	i	2071.14	4.8283	0.0645	0.0	5.496-04	1.09E-02	4.14E-02	8.28E-02	1.21E-01
7	6	48	47	16094.49		2071.21	4.8281	0.0400	0.0	0.0	0.0	0.0	0.0	2.28E-06
4	3	2	1	6354.16		2071.38	4.8277	0.0738	0.0	5.50E-06	2.22F-04	1.91E-03	6.23F-03	1.26E-02
6	5	18	17	11013.12	i	2071.45	4.8275	0.0482	0.0	0.0	1.73E-06	9.59E-05	9.54E-04	4.07E-03
6	5	35	34	12309.75		2071.47	4.8275	0.0400	0.0	0.0	0.0	0.0	5.66E-06	2.96E-05
9	8	55	54	21648.56		2071.50	4.8274	0.0400	0.0	0.0	0.0	0.0	0.0	3.67E-06
7	6	28	27	13834.28	1	2072.42	4.8253	0.0400	0.0	0.0	0.0	5.865-06	1.15F-04	7.68E-04
5	4	25	24	9294.14	2	2072.81	4.8244	0.0400	0.0	0.0	0.0	9.31E-06	6.12E-05	1.98E-04
5	4	10	9	8581.11	1	2072.83	4.8243	0.0547	0.0	0.0	3.93E-05	8.25E-04	4.58E-03	1.32E-02
9	a	56	55	21840.56	i	2072.88	4.8242	0.0400	0.0	0.0	0.0	0.0	0.0	3.21E-06
7	6	49	48	16259.04	ž	2072.93	4.8241	0.0400	0.0	0.0	0.0	0.0	0.0	2.04E-06
ż	ĭ	10	11	2394.64	1	2072.98	4.8240	0.0545	5.29E-04	8-126-05	3.46E-01	6.12E-01	7.71E-01	8.29E-01
4	3	16	15	6641.34	2	2073.00	4.8239	0.0505	0.0	0.0	1.20E-05	1 - 1 5E-04	4.02E-04	8.50E-04
8	7	40	39	17242.29	ī	2073.07	4.8238	0.0400	0.0	0.0	0.0	0.0	7.06E-06	8.15E-05
3	2	8	7	4267.90	2	2073.18	4.8235	0.0574	0.0	1.05E-05	2.00E-04	7.47E-04	1.47E-03	2.13F-03
1	ō	16	17	587.75	1	2073.26	4.8233	0.0493	2.38E 00	4.79E 00	4.81F 00	4.14E 00	3.38E 00	2.72F 00
1	0	5	6	77.19		2073.53	4.8227	0.0621	1.04E-01	6.12E-02	4.08E-02	2.86F-02	5.06E-05	1.53E-02

٧u	VL	JU	JĽ	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	ED ** ABSORF		EFFICIENT **	
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	_		26	10424 70	2	2073.72	4.8223	0.0400	0.0	0.0	0.0	0.0	5.19E-06	2.77E-05
6	5 B	36 57	35 56	12431.72		2074.22	4.8211	0.0400	0.0	0.0	0.0	0.0	0.0	2.79E-06
9	ı	1	0	2096.07		2074.36	4.8208	0.0769	2.156-06	1+61E-04	5.38E-04	8-44E-04	9.88E-04	1.01E-03
6	5	19	18	11079.05		2074.43	4.8206	0.0470	0.0	0.0	1.64E~06	9.36E-05	9.47E-04	E0-380.4
7	6	50	49	16426.90		2074.61	4.8202	0.0400	0.0	0.0	0.0	0 + 0	0.0	1.835-06
7	6	29	28	13935.53		2074.98	4.8193	0.0400	0.0	0.0	0.0	5.385-06	1.08E-04	7.35E-04
4	3	3	2	6361.64		2075.02	4.8192	C.0707	0.0	3.25E-06	3.30E-04	2.858-03	9.30E-03	1.88E-02
3	2	3	4	4297.80		2075.05	4.8192	0.0676	0.0	4.60E-04	8.97E-03	3.40F-02	6.76E-02	9.85E-02
8	7	41	40	17384.73		2075.12	4.8190	0.0400	0.0	0.0	0.0	0.0	6.32E-06	7.46F-05
5	4	26	25	9382.42		2075.46	4.8182	0.0400	0.0	0.0	0.0	8.72E-06	5.86E-05	1.925-04
9	8	58	57	22234.55		2075.51	4.8181	0.0400	0.0	0.0	0.0	0.0	0.0	2.43E-06
6	5	37	36	12557.12		2075.94	4.8171	0.0400	0.0	0.0	0.0	0.0	4.73E-06	2.58E-05
4	3	17	16	6698.49		2076.00	4.8170	0.0493	0.0	0.0	1.16E-05	1.15E-04	4.05E-04	8.64E-04
5	4	11	10	8618.14		2076.14	4.8166	0.0545	0.0	0.0	4.08E-05	8.69E-04	4.88E-03	1.425-02
7	6	51	50	16598.08		2076.26	4.8164	0.0400	0.0	0.0	0.0	0.0	0.0	1.63E-06
3	2	9	8	4296.77		2076.49	4.8158	0.0550	0.0	1.11E-05	2.15E-04	8.13E-04	1.61F-03	2.35F-03
9	8	59	58	22436.54		2076.77	4.8152	0.0400	0.0	0.0	0.0	0.0	0.0	2.10E-06
2	ī	9	10	2352.76		2077.13	4.8143	0.0547	5.89F-04	8.17E-02	3.37E-01	5.86E-01	7.32E-01	7.81E-01
8	7	42	41	17530.64		2077-13	4.8143	0.0400	0.0	0.0	0.0	0.0	5.63E-06	6.81E-05
1	ò	4	5	55.14		2077.37	4.8138	0.0645	9.61E-02	5.39E-02	3.53E-02	2.456-02	1.76E-02	1.30F-02
6	5	20	19	11148.61		2077.38	4.8138	0.0458	0.0	0.0	1.55E-06	9.08E-05	9.34E-04	4.07E-03
7	6	30	29	14040.35		2077.50	4.8135	0.0400	0.0	0.0	0.0	4.92F-06	1.01E-04	7.00F-04
1	Ó	15	16	522.50		2077.65	4.8131	0.0505	3.07E 00	5.28E 00	5.04E 00	4.22E 00	3.40E 00	2.71E 00
7	6	52	51	16772.57	2	2077.86	4.8126	0.0400	0.0	0.0	0.0	0.0	0.0	1-44E-06
2	1	2	1	2099.72		2077.94	4.8125	0.0738	4.23E-06	3.19E-04	1.07E-03	1.68E-03	1.97E-03	2.02E-03
9	e	60	59	22641.83	1	2077.97	4.8124	0.0400	0.0	0.0	0.0	0.0	0.0	1.81E-06
5	4	2,7	26	9474.20	2	2078.08	4.8121	0.0400	0.0	0.0	0.0	8.126-06	5.58E-05	1.86E-04
6	5	38	37	12685.95	2	2078-11	4.8121	0.0400	0.0	0.0	0.0	0.0	4.30E-06	2.39E-05
4	3	4	3	6372.86	1	2078.62	4.8109	0.0676	0.0	4.22E-06	4.32E-04	3.75E-03	1.23E-02	2.50E-02
3	2	2	3	4282.70		2078.93	4.8102	0.0707	0.0	3.58E-04	6+90E-03	2.60E-02	5.15E-02	7.495-02
4	3	18	17	6759+20	2	2078.97	4.8101	0.0482	0.0	0.0	1.12E-05	1.13E-04	4.05E-04	8.73E-04
8	7	43	42	17680.03		2079.09	4.8098	0.0400	0.0	0.0	0.0	0.0	5.00E-06	6.19E-05 1.56E-06
9	8	6 l	60	22850.43		2079.14	4.8097	0+0400	0.0	0.0	0.0	0.0	0.0	1.38E-06
7	6	53	52	16950.35		2079.42	4.8090	0.0400	0.0	0.0	0.0	0.0	0.0	
5	4	12	11	8658.86		2079.42	4.8090	0.0542	0.0	0.0	4.18E-05	9.055-04	5.12E-03	1.50E-02 2.55E-03
3	2	10	9	4329-25		2079.77	4.8082	0.0547	0.0	1.14E-05	2•27E-04	8.71E-04	1.74E-03 9.43E-05	6+64E+P4
7	6	31	30	14148.79		2079.99	4.8077	0.0400	0.0	0.0	0.0	4.47E-06	3.89E-06	2.21E-05
6	5	39	38	12818.19		2080.25	4.8071	0.0400	c.o	0.0	0.0	0.0	0.0	1.34F-06
9	8	62	61	23062.32		2080+26	4.8071	0.0400	0.0	0.0	0.0 1.45E-06	0.0 8.74F-05	9.15E-04	4.04E-03
6	5	21	20	11221.82		2080+28	4.8070	0.0447	0.0	0.0		7.525-06	5.29E-05	1.79E-04
5	4	28	27	9569.48		2080.66	4.8062	0.0400	0.0	0.0	0.0	0.0	0.0	1.13E-06
7	6	54	53	17131.43		2080.94	4.8055	0.0400	0.0	0.0		0.0	4.425-06	5.61E-05
8	7	44	43	17832.88		2081.01	4.8054	0.0400	0.0 8.41E-02	0.0 4.51E~02	0.0 2.91F-02	2.016-02	1.43E-02	1.06E-02
1	0	3	4	36.76		2081.17	4.8050	0.0676	6.37E-04	8.07F~02	3.23E-01	5.536-01	6.84E-01	7.26E-01
2	1	8	9	2314.69		2081.25	4.8048 4.8046	0.0550 0.0400	0.0	0.0	0+0	0.0	0.0	1.155-06
9	8	63	62	23277.50		2081.34	4.8046	C.0707	6.13E-06	4.71E-04	1.59E-03	2.516-03	2.95E-03	3.02E-03
2	1	3	. 2	2107.00	-	2081.48 2081.90	4.8033	0.0470	0.0	0.0	1.07E-05	1.11E-04	4.02E-04	8.77E-04
4	5	19	18 15	6823.48		2082.00	4.8031	0.0517	3.87E 00	5.75E 00	5.22E 00	4.27F 00	3.39F 00	2.67E 00
1 4	0	14	15	461.08 6387.82		2082.18	4.8027	0.0645	0.0	5.10E-26	5.29E-04	4.62E-03	1.52F-02	3.09E-02
6	.3 5	40	39	12953.84		2082.15	4.8027	0.0400	0.0	0.0	0.0	0.0	3.51E-06	2.04E-05
9	8	64	63	23495.99		2082.37	4.8022	0.0400	0.0	0.0	0.0	0.0	0.0	9.78E-07
7			54	17315.80		2082-43	4.8021	0.0400	0.0	0.0	0.0	0.0	0.0	9.90E-07
•	0	بدن	54	1,01500		_002040	7		*		-			

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γu	٧L	บบ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE Length	HALF WIDTH	*****	** INTEGRATE	ED ** ABSORE		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	6	32	31	14260.70	1	2082.43	4.8021	0.0400	0.0	0.0	0.0	4.04E-06		6.28E-04
5	4	13	12	8703.29	1	2082.66	4.8016	0.0540	0.0	0.0	4.22F-05	9.31F~04	5.33E-03	1.57E-02
3	2	1	2	4271.38	1	2082.78	4.8013	C.0738	0.0	2.46E-04	4.69E-03	1.76E-02		5.05E-02
8	7	45	44	17989.20	1	2082.90	4.8010	0.0400	0.0	0.0	0.0	0.0	3.905-06	5.07E-05
3	2	11	10	4365.34	2	2083.01	4.8007	0.0545	0.0	1.15E-05	2.37F-04	9.19E-04	1.85E-03	2.73E-03
6	5	22	21	11298:67	1	2083-15	4.8004	0.0435	0.0	0.0	1.34E-06	8.36E-05	8.92E-04	3.98F-03
5	4	29	28	9668.25	2	2083.20	4.8003	0.0400	0.0	0.0	0.0	6.93F-06	4.99E-05	1 -7 1E-04
6	5	41	40	13092.91	2	2084.41	4.7975	0.0400	0.0	0.0	0.0	0.0	3.15E-06	1.87F-05
8	7	46	45	18148.97	1	2084.74	4.7968	0.0400	0.0		. 0 . 0	0.0		4.57E-05
4	э	20	19	6891.30	2	2084.80	4.7966	0.0458	0.0	0.0	1.01E-05	1.07E-04	3.98E-04	8.76E-04
7	6	33	32	14376.23	1	2084.84	4.7965	0.0400	0.0	0.0	0.0	3.63F-06	8.09F-05	5.91E-04
i	ō	2	3	22.06	2	2084.95	4.7963	0.0707	6.778-02	3.51E-02	2.24E-02	1.53E-02	1.09E-02	8.03E-03
2	1	4	3	2117.93	2	2084.99	4.7962	0.0676	7.77F-06	6.13E-04	2.09E-03	3.315-03	3.90E-03	4.00E-03
2	ī	7	8	2280.41	ī	2085.33	4.7954	0.0574	6.69E-04	7.805-02	3.03E-01	5.13E-01	6.30E-01	6.65E-01
5	4	30	29	9770.52	2	2085.70	4.7946	0.0400	0.0	0.0	0.0	6.35E-06	4.68E-05	1,63E-04
4	ż	6	5	6406.52	1,	2085.71	4.7945	0.0621	0.0	5.86E-06	6 • 17E-04	5.43E-03	1.795-02	3.66E-02
5	4	14	13	8751.40	1	2085.86	4.7942	0.0528	0.0	0.0	4.22F-05	9.48E-04	5.49E-03	1.63E-02
6	5	23	22	11379.15	1	2085.98	4.7939	0.0423	0.0	0.0	1.24E-06	7.958-05	8.65E-04	3.91E-03
3	2	12	11	4405.02	ž	2086.22	4.7934	0.0542	0.0	1.14E-05	2.43E-04	9.57F-04	1.95E-03	2.89F-03
1	ō	13	14	84.504	1	2086.32	4.7931	0.0528	4.76F 00	6.17E 00	5.35E 00	4.28E 00	3.35E 00	2.62E 00
6	5	42	41	13235.37	2	2086.44	4.7929	0.0400	0.0	0.0	0.0	0.0	2.82E-06	1.71E-05
8	7	47	46	18312.18	1	2086.54	4.7926	0.0400	0.0	0.0	0.0	C.O	2.99E-06	4.10E-05
3	2	c	1	4263.83	1	2086.59	4.7925	0.0769	0.0	1.25F-04	2.38E-03	8.89E-03	1.76E-02	2.55E-02
7	6	34	33	14495.30	1	2087.20	4.7911	0.0400	0.0	0.0	0.0	3.24E-06	7.45E-05	5.54E-04
4	3	21	20	6962.68	2	2087.66	4.7901	0.0447	0.0	0.0	9.45E-06	1.04E-04	3.90E-04	8.70E-04
5	4	31	30	9876.27	2	2088-17	4.7889	0.0400	0.0	0 • C	0.0	5.78F-06	4.38E-05	1.55E-04
8	7	48	47	18478.84	1	2088.29	4.7886	0.0400	0.0	0.0	0.0_	0.0	2.61F-06	3.67E-05
6	5	43	42	13381.23	2	2088+42	4.7883	0.0400	0.0	0.0	0.0	0.0	2.51E-06	1.56E-05
2	1	5	4	2132.50	2	2088.47	4.7882	0.0645	9.07E-06	7.41E-04	2.56E-03	4.07E-03	4.81E-03	4.95E-03
1	С	1	2	11.03	2	2088.69	4.7877	0.0738	4.77E-02	2.418-02	1.52E-02	1.04E-02	7.38E-03	5.41E-03
6	5	24	23	11463-27	1	2088.77	4.7875	0.0412	0.0	0.0	1.13E-06	7.51E-05	8.33E-04	3.82E-03
5	4	15	14	8803.20	1	2089.02	4,7869	0.0517	0.0	0.0	4-17E-05	9.56E-04	5.60E-03	1.68E-02
4	3	7	6	6428.95	1	2089.20	4.7865	0.0597	0.0	6.49E-06	6.95F-04	6.18E-03	2.05E-02	_4•30E-03
2	1	6	7	2249.94	1	2089.38	4.7861	0.0597	6.78E-04	7.35E-02	2.79E-01	4.67E-01	5.69E-01	5.98E-01
3	2	13	12	4448.31	2	2089.40	4.7861	0.0540	0.0	1.12E-05	2.46E-04	9.86E-04	2.03E-03	3.03E-03
7	6	35	34	14617.93	1	2089.52	4.7858	0.0400	0.0	0.0	0.0	2.89E-06	6.82E-05	5.18E-04
8	7	49	48	18648.93	1	2090.01	4.7847	0.0400	0.0	0.0	0.0	0.0	2.26E-06	3.2 <u>7E-05</u>
6	5	44	43	13530.48	2	2090.37	4.7838	0.0400	0.0	0.0	0.0	0.0	2.23E-06	1.42E-05
4	3	22	21	7037.61	2	2090.49	4.7836	0.0435	0 • C	0.0	8.80E-06	9,94E-05	3.81E-04	8.60E-04
5	4	32	31	9985.50	2	2090.60	4.7633	0.0400	0.0	0.0	0.0	5.24F-06	4.08E-05	1.47E-04
1	О	12	13	349.72	1	2090.61	4.7833	0.0540	5.73E 00	6.52E 00	5.43E 00	4.24E 00	3.28E 00	2.54E 00
6	5	25	24	11551.01	1	2091.52	4.7812	0.0400	0.0	0.0	1.02E-06	7.05E-05	7.99E-04	3.71E-03
8	7	50	49	18822.44	1	2091.68	4.7808	0.0400	0.0	0.0	0.0	0.0	1.95E-06	2.91E-05
7	6	36	35	14744.11	1	2091.81	4.7605	C.0400	0.0	0.0	0.0	2.55E-06	6.23E-05	4.82E-04
2	1	6	5	2150.72	2	2091.92	4.7803	0.0621	9.99E-06	8.53E-04	2.99E-03	4.79E-03	5.69E-03	5.87E-03
5	4	16	15	£858.70	1	2092.15	4.7798	0.0505	0.0	0.0	4.07E-05	9.55F-04	5.68E-03	1.725-02
6	5	45	44	13683.11	2	2092.28	4.7795	0.0400	0 • C	0.0	0.0	0.0	1.97E-06	1.29E-05
1	G	0	1	3.68	2	2092.40	4.7792	0.0769	2.47E-02	1.23E-02	7.71E-03	5.25F-03	3.72E-03	2.73F-03
3	5	14	13	4495.20	2	2092.54	4.7789	C.0528	0.0	1.08E-05	2.46E-04	1.01E-03	2.10E-03	3.15E~03
4	3	8	7	6455.12	1	2092.66	4.7786	0.0574	0.0	6.97F-06	7.63E-04	6.85E-03	2.29E-02	4.71E-02
5	4	33	32	10098.21	2	2093.00	4.7778	0.0400	0.0	0.0	0.0	4.73E-06	3.78E-05	1.395-04
4	3	23	22	7116.09	2	2093.28	4.7772	0.0423	C.O	0.0	8.125-06	9.48E-05	3.70E-04	8.46E-04
e	7	51	50	18999.38	1	2093.31	4.7771	0.0400	0.0	0.0	0.0	0.0	1.68E-06	2.58E-05

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVF LENGTH	HÁLF WIOTH	*****	** INTEGRATI	D ** ABSOR		FFICIENT *	
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
														-
2	1	5	6	2223.28		2093.40	4.7769	0.0621	6.61E-04	6.73E-02	2.50E-01	4.146-01	5.01E-01	5.24E-01
7	6	37	36	14873.83		2094.05	4.7754	0.0400	0.0	0.0	0.0	2.25E-06	5.66E-05	4.47E-04
3	2	1	0	4260.05		2094.10	4.7753	0.0769	0.0	1.27E-04	2.40E-03	8.965-03	1.77E-02	2.56E-02
6	5	46	45	13839.13		2094-15	4.7752	0.0400	0.0	0.0	0.0	0.0	1 • 74E-06	1.16E-05
6	5	26	25	11642.38	1	2094.23	4.7750	0.0400	0.0	0.0	0.0	6.58E-05	7.62E-04	3.60E-03
1	0	1 i	12	299.78		2094.86	4.7736	0.0542	6.74E 00	6.80E 00	5.43E 00	4.17E 00	3.18E 00	2.45E 00
8	7	52	51	19179.72		2094.90	4.7735	0.0400	0.0	0.0	0+0	0.0	1.44E-06	2.27E-05
5	4	17	16	E917.88		2095.24	4.7727	0.0493	0.0	0.0	3.94E-05	9 • 47E-04	5.71E-03	1.746-02
2	1	-	-6	2172.57		2095.33	4.7725	0.0597	1.05F-05	9.45E-04	3.37E-03	5.456-03	6.51E-03	6.75E-03
5 3	4 2	34 15	33 14	10214.39		2095.36	4.7724	0.0400	0.0	0.0	0.0	4.25F-06	3-49E-05	1.31E-04
6	5	47	46	4545.69		2095.64	4.7718	0.0517	0.0	1.02E-05	2.43F-04	1.02E-03	2.14E-03	3.256-03
4	3	24	23	13998.51 7198.11		2095.98	4.7710	0.0400	0.0	0.0	0.0	0.0	1.52E-06	1.05E-05
4	3	9	23	6485.03	2 1	2096.04	4.7709	0.0412	0.0	0.0	7.44E-06	8.97E-05	3.58E-04	8.28E-04
7	6	9 38	37	15007.09		2096.08	4.7708	0.0550	0.0	7.31E-06	8.20E-04	7.45E-03	2.51E-02	5.19E-02
8	7	53	52	19363.47		2096.25	4.7704	0.0400	0.0	0.0	0.0	1.97E-06	5.12E-05	4 • 1 3F-04
6	5	27	26	11737.38		2096.44	4.7700	0.0400	0.0	0.0	0.0	0.0	1-24E-06	2.00E-05
2	1	4	5	2200.42		2096.91	4.7689	0.0400	0.0	0.0	0.0	6.10F-05	7.24E-04	3.47E-03
5	4	35	34	10334.05		2097•38 2097•68	4.7679	0.0645	6.16E-04	5.93E-02	2.16E-01	3.55E-01	4.28E-01	4.46E-01
6	5	48	47	14161.26	_	2097.00	4.7672 4.7670	0.0400	0.0	0.0	0.0	3.795-06	3.20E-05	1.226-04
3	2	2	1	4263.83		2097.77		0.0400	0.0	0.0	0.0	0.0	1.33E-06	9.39E-06
8	7	54	53	19550.62		2097.81	4.7669	0.0738	0.0	2.52E-04_	4.78E-03_		3.53E-02_	5.12E=02
5	á	18	17	8980.75		2098.29	4.7666 4.7658	0.0400 0.0482	0.0	0.0	0.0	0.0	1.05E-06	1.76E-05
7	6	39	38	15143.88		2098.42	4.7655	0.0402	0.0	. 0.0	3.78E-05	9.31E-04	5.70E-03	1.76E-02
2	1	8	7	2198.07	_	2098.70	4.7649	0.0574	1.06E-05	0.0 1.02E-03	0.0	1.72E-06	4.61E-05	3.81E-04
3	2	16	15	4599.77		2098.71	4.7648	0.0505	0.0	9.60E-06	3.70E-03 2.38E-04	6.05E-03	7.27E-03.	
4	3	25	24	7283.66		2098.76	4.7647	0.0303	0.0	0.0		1.02E-03	2.17E-03	3.326-03
1	õ	10	11	253.68		2099.08	4.7640	0.0545	7.71E 00	6.97E 00	5.37E 00	8.45E-05 4.05E 00	3.44E-04.	8.06E-04
8	7	55	54	19741-15		2099.41	4.7632	0.0400	0.0	0.0	0.0	0.0	0.0	2.33E 00
4	3	10	9	6518.68		2099.46	4.7631	0.0547	0.0	7.50F-06	8.65E-04	7.96E-03	2.706-02	1.54E=05
6	5	49	48	14327.37	_	2099.52	4.7630	0.0400	0.0	0.0	0.032-04	0.0	1.16E-06	5.62E-02 8.40E-06
6	5	28	27	11835.99		2099.54	4.7629	0.0400	0.0	0.0	0.0	5.63E-05	6.83E-04	
1	ō	1	0	-0.0	2	2099.72	4.7625		2.52F~02	1.24E-02			3.75E-03_	3.33E-03 2.75E-03
5	4	36	35	10457-16		2099.96	4.7620	0.0400	0.0	0.0	0.0	3.37E-06	2.93E-05	1.14E-04
7	6	40	39	15284.19	_	2100.54	4.7607	0.0400	0.0	0.0	.0.0	1.49E-06		3.50E-04
8	7	56	55	19935.07		2100.82	4.7600	0.0400	0.0	0.0	0.0	0.0	0.0	1.34E-05
6	5	50	49	14496.84	_	2101.24	4.7591_	0.0400	0.0		0.0	0.0	1.01E-06	7.50E-06
5	4	19	18	9047.30		2101.31	4.7589	0.0470	0.0	0.0	3.59E-05	9.09E-04	5.65E-03	1.76E-02
2	1	3	4	2181.37		2101.33	4.7589	0.0676	5.40E-04		_1.79E-01	2.91E~01_	3.49E-01	3.63E-01
4	3	26	25	7372.76		2101.44	4.7586	0.0400	0.0	0.0	6.11F-06	7.91E-05	3.29E-04	7.82E-04
3	2	3	2	4271.38		2101.48	4.7586	0.0707	0.0	3.71E-04	7.10E-03	2.66E-02	5-27E-02	7.66E-02
3	2	17	16	4657.45	2	2101.75	4.7579	0.0493	0.0	8.90E-06	2.31E-04	1.01E-03	2.19E-03	3.38E-03
2	1	9	8	2227.21		2102.05	4.7573	0.0550	1.04E-05	1.07E-03		6.59E-03	7.97E-03	8.34E-03
6	5	29	28	11938.21		2102.14	4.7571	0.0400	0.0	0.0	0.0	5.16F-05	6.43E-04	3.18E-03
8	7	57	56	20132.36	_	2102.20	4.7569	0.0400	0.0	0.01		0.0	. 0.0	1.17E-05
5	4	37	36	10583.74		2102.21	4.7569	0.0400	0.0	0.0	0.0	2.985-06	2.67E-05	1.06E-04
7	6	41	40	15428.02		2102.62	4.7560	0.0400	0.0	0.0	0.0	1.29E-06	3.70E-05	
4	3	11	10	6556.05		2102.81	4.7555	0.0545	0.0	7.56E-06	8.97E-04	8.39E~03	2.87E-02	6.01E-02
6	5	51	50	14669.65		2102.91	4.7553	0.0400	0.0	0.0	0.0	0.0		
1	0	9	10	211.42		2103.27	4.7545	0.0547	B.60E 00	7.03E 00	5,23E 00	3.88F 00	2.90E 00	2.50E 00
1	0	2	1	3,68	2	2103.33	4.7544	0.0738	4.97E-02	2.46E-02	1.55E-02	1.05E-02		5.49E-03
8	7	58	57	20333.01		2103.53	4.7539	0.0400	0.0	0.0	0.0	0.0	0.0	1.01E-05
4	3	27	26	7465.39	2	2104.09	4.7526	0.0400	0.0	0.0	_ 5.48F-06	7.36E-05		7.55E-04_
										•				and the Control of the Control

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORI		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T'= 600	T = 900	T = 1200	T = 1500	T = 1800
5	4	20	19.	9117.53	1	2104.29	4.7522	0.0458	0.0	0.0 .	3.38E-05	8.80E-04	5.57E-03	1.76E-02
5	4	38	37	10713.77	2	2104.42	4.7519	0.0400	0.0	0.0	0.0	S.62E-06	2.43E-05	9.85E-05
6	5	52	51	14845.80	2	2104.55	4.7516	0.0400	0.0	0.0	0.0	0.0	0.0	5.91E-06
7	6	42	41	15575.37	1	2104.66	4.7514	0.0400	0.0	0.0	0.0	1.115-06	3.29F-05	2.91E-04
6	5	30	29	12044.05	1	2104.69	4.7513	0.0400	0.0	0.0	0.0	4.71E-05	6.01E-04	3.03E-03
3	2	18	17	4718.72	2	2104.75	4.7512	0.0482	0.0	8-14E-06	2.22E-04	9.95E-04	2.195-03	3.41E-03
8	7	59	58	20537.02	1	2104.81	4.7510	0.0400	0.0	0.0	0.0	0.0	0.0	8.75E-06
3	5	4	3	4282.70	1	2105.11	4.7503	0.0676	0.0	4.82E-04	9.31E-03	3.51E-02	6.97E-02	1.01E-01
2	1	2	3	2166.13	I	2105.25	4.7500	0.0707	4.37F-04	3.87E-02	1.38E-01	2.23E-01	2.66E-01	2.76E-01
2	1	10	9	2259.98	2	2105.36	4.7498	0.0547	9.92E-06	1.105-03	4.21E-03	7.05E-03	8.60E-03	9.046-03
8	7	60	59	20744.37	1	2106.06	4.7482	0.0400	0.0	0.0	0.0	0.0	0.0	7.55E-06
4	3	12	11	6597.16	1	2106.12	4.7481	0.0542	0.0	7.48E-06	9.18E-04	8.73E-03	3.02E-02	6.36E-C2
6	5	53	52	15025-29	2	2106.14	4.7480	0.0400	0.0	0.0	0.0	0.0	0.0	5.22E-06
5	4	39	38	10847.26	2	2106.59	4.7470	0.0400	0.0	0.0	0.0	8.29E-06	2.19E-05	9.10F-05
7	6	43	42	15726.23	1	2106.66	4.7469	0.0400	0.0	0.0	0.0	0.0	2 • 92E-05	2.65E-04
4	3	28	27	7561.55	2	2106.70	4.7468	0.0400	0.0	0.0	4.88E-06	6.81E-05	2.96E-04	7.26E-04
1	0	3	2	11.03	2	2106.90	4.7463	0.0707	7.20E-02	3.64E-02	2.30E-02	1.57F-02	1.12F-02	8.21E-03
6	5	31	30	12153.49	1	2107.21	4.7456	0.0400	0.0	0.0	0.0	4.27E-05	5.60E-04	2.87F-03
5	4	21	20	9191.44	1	2107.23	4.7456	0.0447	0.0	0.0	3.16E-05	8-47F-04	5.46E-03	1.74E-02
8	7	61	60	20955.06	1	2107.26	4.7455	0.0400	0.0	0.0	0.0	0.0	0.0	6.49E-06
1	0	8	9	172.99	1	2107.42	4.7451	0.0550	9.32E 00	6.94E 00	5.02E 00	3.66F, 00	2.71E 00	2.05E 00
6	5	54	53	15208.11	2	2107.70	4.7445	0.0400	0.0	0.0	0+0	0.0	0.0	4.60E-06
3	2	19	18	4783.59	2	2107.72	4.7445	0.0470	0.0	7.37E-06	2.12E-04	9.73F-04	2.17E-03	3.42F-03
8	7	62	61	21169.09	1	2108.41	4.7429	0.0400	0.0	0.0	0.0	0.0	0.0	5.56E-06
7	6	44	43	15880.58	1	2108.62	4.7424	0.0400	0.0	0.0	0.0	0.0	2.585-05	2.40E-04
2	1 2	11 5	10	2256.39	2	2108.63	4.7424	0.0545	9.17E-06	1.11E~03	4.37E-03	7.44E-03	9.15E-03	9.68E-03
3 5	_	_	39	4297.80	1	2108.71	4.7422	0.0645	0.0	5.82E-04	1.14E-02	4.325-02	8.60 E-02	1.25E-01
2	4	40	29	10984.19	5	2108.72	4.7422	0.0400	0.0	0.0	0.0	2.00E-06	1.98E-05	8.3AE-05
6	5	55	54	2154.70	1 2	2109.13	4.7413	0.0738	3.08E-04 0.0	2.66E-02 0.0	9.36E-02	1.51E-01 0.0	1.80E-01 0.0	1.86E+01
4	3	29		15394.23		2109.21	4.7411	0.0400						4.04E-06
4	3	13	28 12	7661.24	2	2109.27	4.7410	0.0400	0.0	0.0	4.31E-06 9.27E-04	6.26F-05 8.97F-03	2.79E-04	6.96E-04
8	7	63	62	6642.00	1	2109.39	4.7407	0.0540	0.0	7.295-06			3.14F-02 0.0	6.66E-02
6	5	32	31	21386.43 12266.54	1	2109.52 2109.69	4.7404 4.7400	0.0400	0.0 0.0	0.0	0•0 0•0	0.0 3.86E-05	5.19E-04	4.75E-06 2.71E-03
5	4	22	21	9269.02	ı	2110.13	4.7390	0.0435	0.0	0.0	2.935-05	8.10F-04	5.32E-03	1.72E-02
1	ů.	4	3	22.06	2	2110.15	4.7383	0.0435	9.12E-02	4.73E-02	3.02F-02	2.07E-02	1.485-02	1.095-05
7	6	45	44	16038.43	1	2110.45	4.7383	0.0400	0.0	0.0	0.020-02	0.0	2.27E-05	2.16E-04
8	7	64	63	21607.08	1	2110.55	4.7380	0.0400	0.0	0.0	0.0		0.0	4.C4E-06
3	ź	20	19	4852.04	2	2110.65	4.7379	0.0458	0.0	6.59E-06	2.00E-04	0•0 9•45E-04	2.15F-03	3.42E-03
6	5	56	55	15583.68	2	2110.69	4.7378	0.0400	0.0	0.0	0.0	0.0	0.0	3.54E-06
5	4	41	40	11124.55	2	2110.81	4.7375	0.0400	0.0	0.0	0.0	1.73F-06	1.77E-05	7.69E-05
1	0	7	8	138.40	1	2111.54	4.7359	0.0574	9.79E 00	6.72E 00	4.72E 00	3.40E 00	2.50E 00	1.87F 00
8	7	65	64	21831.04	i	2111.61	4.7357	0.0400	0.0	0.0	0.0	0.0	0.0	3.43E-06
4	3	30	29	7764.45	2	2111.81	4.7353	0.0400	0.0	0.0	3.79E-06	5.73E-05	2.62F-04	6.64F-04
2	1	12	11	2336.44	2	2111.88	4.7351	0.0542	8.27F-06	1.105-03	4.48E-03	7.75E-03	9.63E-03	1.02E-02
6	5	57	56	15776.43	2	2112.12	4.7346	0.0400	0.0	0.0	0.0	0.0	0.0	3.09E-06
6	5	33	32	12383.18	ī	2112.13	4.7346	0.0400	0.0	0.0	0.0	3.46E-05	4.80E-04	2.55F-03
3	2	6	5	4316.68	ì	2112.27	4.7342	0.0621	0.0	6.69E-04	1.335-02	5.07E-02	1.025-01	1.49E-01
7	6	46	45	16199.77	1	2112.41	4.7339	0.0400	0.0	0.0	0.0	0.0	1.99E-05	1.95F-04
8	. 7	66	65	22058.29	î	2112.59	4.7335	0.0400	0.0	0.0	0.0	0.0	0.0	2.91E-06
4	3	14	13	6690.57	i	2112.63	4.7334	0.0528	0.0	6.99E-06	9.25E-04	9.13E-03	3.23F-02	6.91E-02
5	4	42	41	11268.36	2	2112.87	4.7329	0.0400	0.0	0.0	0.0	1.50F-06	1.586-05	7.03E-05
2	1	70	i	2147.08	1	2112.07	4.7327	0.0769	1.60E-04	1.35F-02	4.74E-02	7.62E-02	9.075-02	9.38E-02
_	•	•	•	2.47.00	•		747527	Q.0.Q9			,	O LL OA		>400F 4E

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES _______

VU	VL.	Jú	JL	LOWER STATE	ÇBÛE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSOR CM-2*		EFFICIENT *	*****
			- ,	ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
-	4		22	0754 5-								•		
5	4 5	23 58	22	9350.27		2112.99.	4.7326	0.0423	0.0	0.0	2.69E-05	.7.69F-04		1_68E=0.2
6 8	7	67	57	15972.47		2113.52	4.7314	0.0400	0.0	0.0	0.0	0.0	0.0	2.69E~06
3	5	21	20 66	22288.82		2113.52	4.7314	0.0400	0.0	9,0	_9+9	0.0		2_46E=06.
1	0	5	4	4924.07		2113.54	4.7314	0.0447	0.0	5.83E-06	1.87E-04	9-12E-04	2.11E-03	3.39E-03
7	6	47	46	36.76		2113.96	4.7305	0.0645	1.06E-01	5.71E-02	3.70E-02	2.556-02		1.35E-02
4	3	31	30	16364.60 7871.18		2114.24	4.7298	0.0400	0.0	0.0	0.0	0.0	1.74E-05	1.745-04
6	7	68	67			2114.31	4.7297	0.0400	0.0	0.0.	3.30E-06	5.22E-05		6.31E-04.
6	5	34	33	22522.63 12503.41		2114.41	4.7295	0.0400	0.0	0.0	0.0	0.0	0.0	2.07E-06
6	5	59	58			2114.53	4.7292	0.0400	_0.0	0.0	0.0	3.09E-05	4.415-04	2.39E-03
5	4	43	42	16171.80		2114.87	4.7284	0.0400	0.0	0.0	0.0	0.0	0.0	2.34E-06
2	1	13	12	11415.59		2114.89	4.7284	0.0400	0.0	0.0	0.0	1.29E-06	1.41E-05	6.40E-05
6	7	69	68	2380.12		2115.08	4.7280	0.0540	7.27E-06	1.08F-03	4.53E-03	7.98E-03	1.00E-02	1.07F-02
1	ó	6	7	22759.69		2115.26	4.7276	0.0400	0.0	0.0	0.0	0.0	0.0	1.74E-06
3		7		107.65		2115.63	4.7267	0.0597	9.95E 00	6.34E 00	4.35E 00	3.09E 00	2.26E 00	1.68E 00
	2		6	4339.32		2115.80	4.7263	0.0597	0.0	7.40E-04	1.50E-02	5.77E-02	1.16E-01	1.71E-01
,5	4	24 15	23	9435.20		2115.82	4.7263	0.0412	0.0	0.0	2.45E-05	7.26E-04	4.96E-03	1+645-02
4			14	6742.87		2115.83	4.7263	0.0517	0.0	6.62E-06	9-135-04	9.20E-03	3.30E-05	7.11E-02
7	6	48	47	16532.89		2116.03	4.7258	0.0400	0.0	0.0	0.0	0.0	1.51E-05	1.56E-04
8	7	70	69	23000.01		2116.06	4.7258	0.0400	0.0	0.0	,O • O	0.0	0.0	1.45E06
6	5	60	59	16374.42		2116.19	4.7255	0.0400	0+0	0.0	0.0	0.0	0.0	2.02E-06
3	2	22	21	4999.68		2116.40	4.7250	0.0435	0.0	5-10E-06		.8.74F-04	S•06E-03	3 <u>.356-</u> 03 _
4	3	32	31	7981.43		2116.78	4.7242	0.0400	0.0	0.0	2.86E-06	4.73E-05	2.27E-04	5.97E-04
8	7	71	70	23243.58		2116.81	4.7241	0.0400	0.0	0.0	0.0	0.0	0.0	1.21E-06
5	4	44	43	11566,25		2116.87	4.7240	0.0400	0.0	0.0	0.0	1.10E-06	1.25E-05	5.82E-05
6	5	35	34	12627.23		2116.88	4.7239	0.0400	0.0	0.0	ō•o	2.75F-05	4.04E-04	2.23E-03
1	0	6	5	55.14		2117.44	4.7227	0.0621	1.17E-01	6.57E-02	4.32E-02	3.00E-02	2.16E-02	1.59E-02
6	5	61	60	16580.31		2117.46	4.7226	0.0400	0.0	0.0	0.0	0.0%	0.0	1.74E-06
8	7	72	71	23490.38		2117.52	4.7225	0.0400	0.0	0.0	0.0	0.0	0.0	1.01E-06
7	6	49	48	16704.66		2117.78	4.7219	0.0400	0.0	0.0	0.0	0.0	1.31E-05	1.395-04
8	7	73	72	23740.39		2118.18	4.7210	0.0400	0.0	0.0	0.0	0 • ∩	0.0	8.39E-07
2	1	14	13	2427.44		2118.26	4.7209	0.0528	6.25E-06	1.04E-03	4.53E-03	8.135-03	1.03E-02	1.12E-02
5	4	25	24	9523.78		2118.60	4.7201	0.0400	0.0	0.0	2.22E-05	6.81F-04	4.75E-03	1.60E-02
6	5	62	61	16789.46		2118.69	4.7199	0.0400	0.0	0.0	0.0	0.0	0.0	1.50E-06
5	4	45	44	11720.32		2118.81	4.7196	0.0400	0.0	0.0	0.0	0.0	1.10E-05	5.26F-05
4	3	16	15	6798.89		2118.99	4.7192	0.0505	0.0	6.18E-06	8.92E-04	9.19E-03	3.34E-02	7.27E-02
6	5	36	35	12754.63		2119.20	4.7188	0.0400	0.0	0.0	0.0	2.43E-05	3.68E-04	2.07E-03
4	3	33	32	6095.19		2119.21	4.7187	0.0400	0.0	0.0	2.46F-06	4.26E-05	2.11E-04	5.63E-04
3	2	23	22	5078.88		2119.23	4.7187	0.0423	0.0	4.41E-06	1.61E-04	8.32E-04	2.00E-03	3.29E-03
3	2	8	. 7	4365.74		2119.29	4.7186	0.0574	0.0	7.95E-04	1.64E-02	6.40F-02	1.30E-01	1.91E-01
7	6	50	49	16879.89		2119.49	4.7181	0.0400	0.0	0.0	0.0	0.0	1.13E-05	1.23E-04
ı	0	5	6	80.74		2119.68	4.7177	0.0621	9.71E 00	5.80E 00	3.90E 00	2.74E 00	1.99E 00	1.48E 00
6	5	63	62	17001.87		2119.88	4.7172	0.0400	0.0	0.0	0.0	0.0	0.0	1.29F-06
5	1	1	0	2143.27		2120.56	4.7157	0.0769	1.63E-04	1.37E-02	4.79E-02	7.68F-02	9.14E-02	9.45E-02
5	4	46	45	11877.80		2120.71	4.7154	0.0400	0.0	0.0	0.0	0.0	9.70E-06	4.75E-05
1	0	7	6	77.19		2120.88	4.7150	0.0597	1.23E-01	7.28E-02	4.87E-02	3.41E-02	2.47E-02	1.83F-02
6	5	64	63	17217.54		2121.03	4.7147	0.0400	0.0	0.0	0.0	0.0	0.0	1.10E-06
7	6	51	5¢	17058.57		2121.15	4.7144	0.0400	0.0	0.0	0+0	0.0	9.71F-06	1.095-04
5	4	26	25	9616.03		2121.35	4.7140	0.0400	0.0	0.0	2.00E-05	6.34E-04	4.53E-03	1.55F-02
2	1	15	14	2478.38		2121.40	4.7139	0.0517	5.25F-06	9.84E-04	4.48E-03	8.216-03	1.066-02	1.15E-02
6	5	37	36	12885.61		2121.48	4.7137	0.0400	0.0	0.0	0.0	2.14E-05	3.34E-04	1.926-03
4	3	34	33	8212.45		2121.60	4.7134	0.0400	0.0	0.0	2.11E-06	3.82E-05	1.94E-04	5.29E-04
3	5	24	23	5161.65		2122.02	4.7125	0.0412	0.0	3.78E-06	1.47E-04	7.87E-04	1.935-03	3.55E-03
4	3	17	16	6858.63	1	2122.12	4.7123	0.0493	0.0	5.70E-06	8.625-04	9.11F-03	3.36E-02	7.38E-02

	VÜ	٧Ĺ		JL	LOWER	CODE,	WAVE Number	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	D ** ABSORP CM-2*A		FFICIENT **	*****
	. ,				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
			- ~		120 50	, •,		•			-			•	
	6	. 5 .	65 _	_64_	17436.43	2	2122.14 .	. 4.7122 .	0.0400	0.0	0.0	0.0	0.0_	0.0	9.39E-07
	5	4	47	46	12038.69	2	2122.57	4.7113	0.0400	0.0	0.0	0.0	0.0	8.51E-06	4.27E-05
	3	2	9	8	4395.93	1	2122.75	4.7109	0.0550	0.0	8.34E-04	1.76E-02	6.96E-02	1.42E-01	2+11E-01
	7	6	52	51	17240.70	1	2122.77	4.7108	0.0400	0.0	0.0	0.0	0.0	8.32E-06	9.62E-05
	1.	0	4	5	57,67	. 1	2123.70	4.7088	0.0645,	9.05E 00	5.12E 00	3.37E 00	2.35E 00	- ,	_1.26E 00
	6	5	38	37	13020-16	1	2123.72	4.7087	0.0400	0.0	0.0	0.0	1.87E-05	3.026-04	1.78E-03
	4	3	35	34	8333.21	2	2123.95	4.7082	0.0400	0.0	0.0	1.79E-06	3.40E-05	1.7BE-04	4.95E-04
	5	4	27	26	9711.93	1	2124.06	4.7080	0.0400	0.0	0.0	1.78E-05	5.88E-04	4.29E-03	1.49E-02
	1 .	. 0	8_	7_,		2	2124.29	4.7075	0.0574 .	1.25E-01	7.84E-02	5.35E-02	3.79E-02	2.76E-02	2.06F-02
	2	1	2	1	2147.08	1	2124.30	4.7074	0.0738	3.21E-04	2.72E-02	9.54E-02	1.53E-01	1.82E-01	1.89E-01
	7	6	53	52	17426.27	1	2124.35	4.7073	0.0400	0.0	0.0	0.0	0 • 0	7-10E-06	8.465-05
	5	4	48	47	12202.98	2	2124.40	4.7072	0.0400	0.0	0.0	0.0	0.0	7.43E-06	3.83E-05
	2	ı	16	15	2532.96	2	2124.50	4.7070	0.0505	4.32E~06	9.22E-04	4.39E~03	B.21E-03	1.07E-02	1-18E-02
	3	2	25	24	5247.99	2	2124.77	4.7064	0.0400	0.0	3.21E-06	1.34E-04	7.40E-04	1.85E-03	3.14E-03
	.4	3	.18	_17	6922.10	1	2125.21	4.7054	0.0482	0.0	5.19E-06	8.26E-04	8.95E-03	3.35E-02	7.44E-02
	7	6	54	53	17615.26	1.	2125.89	4.7039	0.0400	0.0	0.0	0.0	0.0	6.04E-06	7.416-05
	6	5	39	38	13158.27	1	2125.92	4.7038	0.0400	0.0	0.0	0.0	1.63E-05 ·	2.71E-04	1.63E-03
	3	2	10	9	4429.89	1	2126.16	4.7033	0.0547	0.0	8.55E-04	1.86E-02	7.43F~02	1.53E-01	2.28E-01
	5	4	49	48	12370.66	2	2126.18	4.7033	0.0400	0.0	0.0	0.0	0.0	6.46E-06	3.42E-05
	4	3	36	35	8457.48	2	2126.26	4.7031	0.0400	0.0	0.0	1.51E-06	3.02E-05	1.63E-04	4.62E-04
-ma u	.5	4	28	27 .	9811.48	1	2126.73	4.7021	0.0400	0.0	0.0	1.58F-05	5.42F-04	4.05E-03	1.43E-02
63	7	6	55	54	17807.68	1	2127.38	4.7006	0.0400	0.0	0.0	0.0	0.0	5.126-06	6.48E-05
w	3	2	26	25	5337.91	2	2127.48	4.7004	0.0400	0.0	5.69E-06	1.21E-04	6.92F-04	1.77E-03	3.04E-03
	2	1	17	16	2591.16	2	2127.57	4.7002	0.0493	3.48E-06	8.53E-04	4.26E-03	8.15E-03	1.08E-02	1.20E-02
	1	0	9	8	132.31	2	2127.67	4.7000	0.0550	1.22E-01	8.23E-03	5.75E-02	4 • 1 2E-02	3.02E-05	2.26E-02
	1	0	3	4	38.45	1	2127.68	4.7000	0.0676	7.95E 00	4.29E 00	2.79E 00	1.93E 00	1.39E 00	1.02E 00
	_5 _	4_	_50 _		_12541.73	2	2127.93	4.6994	.0.0400	0.0	0.0	0.0	0.0	5,60E-06.	
	2	1	3	2	2154.70	1	2128.00	4.6992	0.0707	4.65E-04	4.02E-02	1.42E-01	2.28F-01	2.72E-01	2.82E-01
	6	5	40	39	13299.95	1	2128.07	4.6991	0.0400	0.0	0.0	0.0	1.41F-05	2.43E-04	1.50F-03
	4	3	19	18	6989.28	1	2128.26	4.6987	0.0470	0.0	4.67E-06	7.84E-04	8.73E-03	3.32E-02	7.45E-02
	4	3	37	36	8585.23	2 .	2128.54	4.6981	0.0400	0.0	0.0	1.27E-06	2.67E-05		4.29E-04
	7	6	56	55	18003.52	1	2128.84	4.6974	0.0400	0.0	0.0	0.0	0.0	4.32E-06	5.64E-05
	5	4			9914.69	1	2129.36	4.6962	0.0400	0.0	0+0 , _	1.39E-05	4.96E-04	3.81E-03	1.36E-02
	3	2		_1.0_	4467.62	ı	2129.55	4.6958	0.0545	0.0	8.60E-04	1.93E-02	7.83E-02	1.63E-01	2.44E-01
	5	4	51	50	12716.17	2	2129.63	4.6957	0.0400	0.0	0.0	0.0	0.0	4.84E-06	2.715-05
	3	2	27	26	5431.39	2	2130.16	4.6945	0.0400	0.0	2.246-06	1.08E-04	6.43E-04	1.68E-03	2.94E-03
	6	5	41	40	13445.18	1	2130.19	4.6944	0.0400	0.0	0.0	0.0	1.21E-05	2.17E-04	1.375-03
	7	6	57	56	18202.77	1	2130.24	4.6943	0.0400	0.0	0.0	0.0	0.0	3.64E-06	4.90E-05
	2	1	18	17	2652.99	2	2130.60	4.6935	0.0482	2.74E-06	7.80E-04	4.09E-03	8.03E-03	1.08E-02	1.21F-02
	. 4	3	38	37	8716.48	2	2130.78	4.6931	0.0400	0.0	0.0	1.06E-06	2.34E-05	1.35F-04	3.97E-04
	1	0	10	9	165.38	2	10.1612	4.6926	0.0547	1.16E-01	8.46E-02	6.07E-02	4.41E~02	3.26E-02	2.45E-02
	4	3	20	19	7060.17	1	2131.27	4.6920	0.0458	0.0	4.15E-C6	7.38E-04	8,456-03	3.27E-02	7.425-02
	5	4	52	51	12893.99	2	2131.3C	4.6920	0.0400	0.0	0.0	0.0	0.0	4-16E-06	2.40E-05
	7	6	58	57	18405.41	1	2131.61	4.6913	0.0400	0.0	0.0	0.0	0.0	3.05E-06	4.25E-05
	1	0	2	3	23.07	1	2131.63	4.6912	0.0707	6.43E 00	3.34E 00	2.15E 00	1-48E 00	1.06E 00	7.79E-01
	2	1	4	3	2166.13	1	2131.67	4.6912	0.0676	5.88F-04	5.22E-02	1.86E-01	3.01E-01	3.60E-01	3.748-01
	5	4	30	, 29	10021.54	1	2131.95	4.6905	0.0400	0.0	0.0	1.21E-05	4.52E-04	3.56E-03	1.30E-02
	6	5	42	41	13593.96	1	2132.26	4.6899	0.0400	0.0	9.0	0.0	1.04F-05	1.93E-04	1.255-03
	3	2	28	27	5528.43	2	2132.81	4.6887	0.0400	0.0	1.84E-06	9.60E-05	5.95E-04	1.596-03	2.92E-03
	3	2	12	11	4509-11	1	2132.89	4.6885	0.0542	0.0	8.51E-04	1.97E-02	8.14E-02	1.71E-01	2.58E-01
	7	6	59	58	18611.44	1	2132.93	4.6884	0.0400	0.0	0.0	0.0	0.0	2.55F-06	3.666-05
	5	4	53	52	13075.18	2	2132.93	4.6884	0.0400	0.0	0.0	0.0	0.0	3.57E-06	2.125-05
	4	3	39	38	8851.20	2	2132.99	4.6883	0.0400	0.0	0.0	0.0	2.05E-05	1.22E-04	3.67E-04

ν'n	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR	PTION ** COE	FFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
											•			
2	1	19	18	2718.44	2	2133.60	4.6869	0.0470	2.12E-06	7.05E-04	3.89F-03	7.855-03	1.07F=02	1.21E=02
7	6	60	59	18820.86	1	2134.21	4.6856	0.0400	0.0	0.0	0.0	0.0	2.12E-06	3.15E-05
4	3	21	20	7134.78	1	2134.24	4.6855	0.0447	0.0	3.65E-06	6.89E-04	8.13E-03		7.36E=02
6	5	43	42	13746.29	1	2134.30	4.6854	0.0400	0.0	0.0	0.0	8.90E-06	1.71E-04	1.13E-03
1	0	11	10	202.12	2	2134.32	4.6853	0.0545	1.07E-01	8.54E-02	6.31E-02	4.65E-02		2.63E-02_
5	4	3 t	30	10132.03	1	2134.50	4.6849	0.0400	0.0	0.0	1.05E-05	4.10E-04	3.31E-03	1.53E-05
5	4	54	53	13259.72	2	2134.51	4.6849	0.0400	0.0	0.0	0.0	0.0		1.86E=05
4	3	40	39	8989.41	2	2135.15	4.6835	0.0400	0.0	0.0	0.0	1.78E-05	1.09E-04	3.37E-04
2	1	5	4	2181.37	1	2135.31	4.6832	0.0645	6.84E-04	6.305-02	2.27E-01		4-44E-01	_4.62E-01.
3	2	29	28	5629.04	2	2135.42	4.6829	0.0400	0.0	1.50E-06	8-47E-05	5.47E-04	1.50E-03	2.70E-03
7	6	61	60	19033.64	1	2135.44	4.6829	0.0400	0.0	0.0	0.0	0.0	1.76E-06	2.71E-05
1	0	1	2	11.54	1	2135.55	4.6826	0.0738	4.54E 00	2.30E 00	1.46E 00	9.99E-01	7.13E-01	5.25E-01
5	4	55	54	13447.62	2	2136.06	4.6815	0.0400	0.0	0.0	0.0	0.0		1.63E- <u>Q</u> 5_
3	2	13	12	4554.37	1	2136.20	4.6812	0.0540	0.0	8.28F-04	1.99F-02	8.37E-02	1.775-01	2.70E-01
6	5	44	43	13902.14	1	2136.29	4.6810	0.0400	0.0	0.0	0.0	7.56E-06	1.51E-04	1.02E-03
2	1	20	19	2787.51	2	2136.56	4.6804	0.0458	1.60F-06	6.29E-04	3.67E-03	7.61E-03	1.06F-02	1.21E-02
7	6	62	61	19249.80	1	2136.63	4.6803	0.0400	0.0	0.0	0.0	0.0	1+45E-06	2.32E-05
5	4	32	31	10246.16	1	2137.02	4.6794	0+0400	0.0	0.0	9.03E-06	3.70E-04	3.07E-03	1.16E-02
4	3	22	21	7213.10	1	2137.18	4.6791	0.0435	0.0	3+17E-05	6.37E-04	7.76E-03		
4	3	41	40	9131.08	2	2137,28	4.6788	0.0400	0.0	0.0	0.0	1.54E-05	9.79E-05	3.09E-04
5	4	56	55	13638.86	2	2137.57	4.6782	0.0400	0.0	0.0	. 9.0	.0.0		1.43E-05
1	0	12	11	242.53	2	2137.59	4.6782	0.0542	9.62E-02	8.46F-02	6.46E-02	4.84E-02	3.65E-02	.2.78E-02
7	6	63	62	19469.31	1	2137.78	4.6777	0.0400	0.0	0.0	0.0	0.0	1.20E-06	,
3	2	30	29	5733.20	2	2137.99	4.6773	0.0400	0.0	1.21E-06	7.43E-05	5.00E-04	1.40E-03	1.97E05 _2.57E03
6	5	45	44	14061.54	1	2138.24	4.6767	0.0400	0.0	0.0	0.0	6.39E-06	1.33E-04	
7	6	64	63	19692.16	1	2138.88	4.6753	0.0400	0.0	0.0	0.0	0.0	0.0	9.22E-04
2	1	6	5	2200.42	1	2138.90	4.6753	0.0651	7.51E-04	7.23E-02	2.65E-01			1.68E-05
5	4	57	56	13833.44	2	2139.04	4.6750	0.0400	0.0	0.0	0.0	0.0		5-49E-01
4	3	42	41	9276.23	2	2139.37	4.6743	0+0400	0.0	0.0	0.0		1.86E-06	1.25E-05
1	0	0	1	3.85	1	2139.43	4.6741	0.0769	2.36E 00	1.17F 00	7.40E-01	1.33E-05 5.05E-01	8.74E-05	2.82E-04
3	2	14	13	4603.40	1	2139.47	4.6741	0.0528	0.0	7.94E-04	1.985-02	-	3.60E-01	2.65E-01
5	4	33	32	10363.92	1	2139.49	4.6740	0.0400	0.0	0.0	7.72E-06	8.51F-02	1.83E-01	2.80E-01
2	1	21	20	2860.19	2	2139.49	4.6740	0.0447	1.19E-06	5.56E-04	3.44E-03	3.31E-04 7.34E-03	2.83E-03	1-09E-02
7	6	65	64	19918.36	1	2139.93	4.6730	0.0400	0.0	0.0	0.0		1.04E-02	
4	3	23	22	7295.12	ī	2140.08	4.6727	0.0423	0.0	2.73E-06		0.0	0.0	1.42E-05
6	5	46	45	14224.45	1	2140.15	4.6726	0.0400	0.0	0.0	5.85E-04 0.0	7.36E-03	3.016-02	.7-11F-02
5	4	58	57	14031.34	2	2140.46	4.6719	0.0400	0.0	0.0	0.0	5.38E-06	1.16E-04	8.28E-04
3	2	31	30	5840.91	ž	2140.52	4.6718	0.0400	0.0	0.0			1.57E-06	1.08E-05
1	0	13	12	286.60	2	2140.83	4.6711	0.0540	8.45E-02	8.26E-02	6.47E-05 6.53E-02	4.54F-04	1.316-03	2.44E-03
7	6	66	65	20147.87	1	2140.95	4.6708	0.0400	0.0	0.0	0.55=-02	4.99E-02		2.91E-02.
4	3	43	42	9424.83	2	2141.42	4.6698	0.0400	0.0	0.0		0.0	0.0	1.20E-05
5	4	59	58	14232.57	2	2141.85	4.6689	0.0400	0.0	0.0	0.0	1.14E-05	7.77E-05	2.57E-04
7	6	67	66	20380.71	ı	2141.91	4.6687	0.0400	0.0			0.0	1.32E-06	9.39F-06
5	4	34	33	10485.30	î	2141.92	4.6687	0.0400	0.0	0.0	0.0	0.0	0.0	1.02E-05
6	5	47	46	14390.88	i	2142.02	4.6685	0.0400	0.0	0.0	6.56E-06	2.96F-04	2.606-03	1-02E-05
2	ĩ	22	21	2936.50	ż	2142.38	4.6677	0.0435			0.0	4.51E-06		7.42E-04
2	1	7	-6	2223.28	ī	2142.47	4.6675	0.0597	0.0 7.86E-04	4.86E-04	3.19E-03	7.03E-03	1.01E-02	1.18E-02
3	2	15	14	4656.18	ī	2142.71	4.6670	0.0597		8.00E-02	2.98E-01	4.94E-01	6.00E-01	6.29E-01
7	6	68	67	20616.86	î	2142.84	4.6667	0.0517 0.040C	0.0	7.51E-04	1.96E-02	8.57E-02	1.86E-01	2.88E-01
4	3	24	23	7380.84	i	2142.94	4.6665	0.0412	0.0	0.0	0.0	0.0	0.0	8.53E-06
3	2	32	31	5952.17	ż	2143.02	4.6663	0.0412	0.0 0.0	2.32E-06	5.33E-04	6-94E-03	2.90E-02	6.94E-02
5	4	60	59	14437.11	2	2143.20	4.6659	0.0400			5.60E-05	4-11E-04	1.22E-03.	
4	3	44	43	9576.89	2	2143.43	4.6654	0.0400	0.0	0.0	0.0	0.0	1.10E-06	8.11E-06
•	-	•		32,200	*-	2175175	780034	V & D 4 D D	0.0	0.0	0.0	9.74F-06	6.88E-05	2.33F=04

VU	VL	JU	JŁ	LOWER State	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	*****	* INTEGRATE	ED ** ABSORF CM-2*/		FFICIENT *	, /=
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
_						2147 70	4.6648	0.0400	0.0	0.0	0.0	0.0 .	0.0	7.15E-06
7 6	6 5	69 48	68 47	20856.30 14560.82		2143.72 2143.84	4.6645	0.0400	0.0	0.0	0.0	3.76E-06	8.785-05	6.62E-04
_	0	14	13	334.34		2144.04	4.6641	0.0400	7.25E-02	7.95E-02	6.53E-02	5.08E-02	3.91E-02	3.03E-02
1	Δ.		34						0.0	0.0	5.545-06	2.62F-04	2.38E-03	9.53E-03
5 5	-	35 61	60	10610.31	1 2	2144.32	4.6635 4.6631	0.0400		0.0	.0.0	0.0	0.0	6.99E-06
	4	70				2144.50			0.0	0.0	0.0	0.0	0.0	5.98E-06
7	6		69	21099.03	1	2144.55	4.6630	0.0400		4.20F-04	2.94E-03	6.68E-03	9.795-03	_1.16E-02
2 7	1	23 71	22 70	3016.41 21345.04	2	2145.24 2145.34	4.6615 4.6613	0.0423 0.0400	0.0	0.0	0.0	. 0.0	0.0	4.98E-06
	6 3	45	44	9732.40		2145.40	4.6611	0.0400	_ 0.0	0.0		8•27E-06	6,07E-05	2.11E=04
4 3	2	33	32	6066.97			4.6610	0.0400	0.0	0.0	4.81E-05	3.70E-04	1.13E-03	2.18E-03
6	5	49	48	14734.27		2145 ₊ 48 2145 _• 62	4.6607	0.0400	0.0	0.0	0.0	3.12E-06	7.60E-05	5-89E-04
4	3	25	24	7470.27	1	2145.76	4.6604	0.0400	0.0	1.95E-06	4.82E-04	6.51E-03	2.78E-02	6.74E-02
5	4	62	6 t	14856.11	2	2145.76	4.6604	0.0400	0.0	0.0	0.0	0.0	0.0	6.01E-06
3	2	16	15	4712.73	1	2145.90	4.6600	0.0505	0.0	7.00E-04	1.91E-02	8.56E-02	1.89E-01	2.95E-01
2	1	8	7	2249,94		2145.99	4.6599	0.0574	_ 7.92E-04	8,596-02.		5.48E-01.	6.69E-01	7.05E-01_
7	6	72	71'	21594.31	1	2146.08	4.6597	0.0400	0.0	0.0	0.0	0.0	0.0	4 14E-06
5	4	36	35	10738.94	î	2146.67	4.6584	0.0400	0.0	0.0	4.64E-06	2.31E-04	2.16E-03	8.85E-03
7	6	73	72	21846.84	1	2146.78	4.6581	0.0400	0.0	0.0	0.0	0.0	0.0	3.43E-06
5	4	63	62	15070.55		2146.99	4.6577	0.0400	0.0	0.0	0.0	0.0	0.0	5.15E-06
1	ã	1	0	-0.0	ī	2147.08	4.6575	0.0769	2.41E 00	1.19E 00	7.47E-01	5.09E-01	3.63E-01	2.67E-01
i	ŏ	15	14	385.75		2147.21	4.6572	0.0517	6.08E-02	7.54E-02_	6.45E-02		4.00E-02_	
4	3	46	45	9891.36	2	2147.33	4.6569	0.0400	0.0	0.0	0.0	7.00E-06	5.376-05	1.90F-04
6	5	50.	49	14911.20	1	2147.37	4.6569	0.0400	0.0	0.0	0.0	2.57E-06	6.556-05	
7	6	74	73	22102.62	ī	2147.43	4.6567	0.0400	0.0	0.0	0.0	0.0	0.0	2.83E-06
3	2	34	33	6185.32		2147.90	4.6557	0.0400	0.0	Q.C	4.11E-05			
7	6	75	74	22361.64	1	2148.03	4.6554	0.0400	0.0	0.0	0.0	0.0	0.0	2.34E-06
ż	ī	24	23	3099.94	-	2148.06	4.6554	0.0412	0.0	3.59E-04	2.69E=03 _	6.32E-03	9-45E-03	1.14E-02
5	4	64	63	15288.27		2148.17	4.6551	0.0400	0.0	0.0	0.0	0.0	0.0	4.40E-06
4	3	26	25	7563.39		2148.54	4.6543	0.0400	0.0	1.62E-06		6.06E-03	2.65E-02	6.526-02
7	6	76	75	22623.88	1	2148.59	4.6542	0.0400	0.0	0.0	0.0	0.0	0.0	1.92E-06
5	4	37	36	10871.18		2148.98	4.6534	0.0400	0.0	_0.0	3.86E-06	2.03E-04	1,965-03	8.20F-03
6	5	51	50	15091.63	1	2149.06	4.6532	0.0400	0.0	0.0	0.0	2.12E-06	5.62E-05	4.61E-04
3	2	17.	16_	4773.03	. 1 _	2149.06	4.6532	0.0493	0.0	6-44E-04	1.84E-02	8.47F-02	1.90E-01	2.99E-01
7	6	77	76	22889.33	1	2149+11	4.6531	0.0400	0.0	0.0	0.0	0.0	0.0	1.57E-06
4	3	47	46	10053.75	2	2149.23	4.6528	0.0400	0.0	0.0	0.0	5.89E-06	4.66E-05	1.71E-04
5	4	65	64	15509.25	2	2149.31	4.6527	0.0400	0.0	0.0	0.0	0.0	0.0	3.74E-06
2	1	9	8	2280.41	1	2149.48	4.6523	0.0550	7.71F-04	9.00E-02	_ 3.51E-01_	5.96E-01	7.33E-01	
7	6	78	77	23157.98	1	2149.57	4.6521	0.0400	0.0	0.0	0.0	0.0	0.0	1.29E-06
7	6	79	78	23429.83	1	2150.00	4.6512	0.0400	0.0	0.0	_0.0	0.0	0.0	1.05E-06
3	.5	35	34	6307.19	2	2150.28	4.6506	0.0400	0.0	0.0	3.48E-05	2.95E-04	9.52E-04	1.91E-03
1	0	16	15	440.81	2	2150.35	4.6504	0.0505	4.98E-02	7.06E-02	6.31E-02	_5.13E-02_	4.05E-02	3.19E-02
7	6	80	79	23704.85	1	2150.37	4.6504	0.0400	0.0	0.0	0.0	0.0	0.0	8.51E-07
5	4	66	65	15733.51	2	2150.41	4.6503	0.0400	0.0	0.0	0.0	0.0	0.0	3.18E-06
6	5	52	51	15275.54	1	2150.72	4.6496	0.0400	0.0	0.0	0.0	1.73E-06	4.81E-05	4.06E-04
2	1	25	24	3187.07	_	2150.84	4,6493	0.0400	0.0	3,04E-04	2.44F-03	5.94E-03	9.06E-03	1.11F-02
1	0	2	1	3,85		2150.86	4.6493	0.0738	4.73E 00	2.35E 00	1.49E 00	1.02E 00	7.24E-01	5.33E-01
4	3	48	47	10219.57		2151.09	4.6488	0.0400	0.0	0.0	0.0	4.94E-06	4.07E-05	1.53E-04
5	4	38	37	11007.02		2151.25	4.6485	0.0400	0.0	0.0	3.20E-06	1.78E-04	1.77E-03	7.56E-03
,4	3	27	26	7660.20	•	2151.28	4.6484	0.0400	0.0	_1.34E_06	3.85E-04	5•61E-03 _	. 5 • 2 1 E - 0 5	6.27E-02
5	4	67	66	15961.02		2151.47	4.6480	0.0400	0.0	0.0	0.0	0.0	0.0	2+69E-06
3	2	18	17	4837.09		2152.19	_4+6464	0.0482	.0.0	5.86E-04	.1.76E-02		1.89E-01	3.01E-01
6	5	53	52	15462.93		2152.34	4.6461	0.0400	0.0	0.0	0.0	1.416-06	4.10E-05	3.57E-04
5	4	68	67	16191.77	2	2152.48	4.6458	0.0400	0.0	0.0		0.•o.'	∿.• 0	2.27F <u>-06</u>

٧u	VL	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF Width	******	** INTEGRATI	ED ** ABSORI		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
3	2	36	35	6432.60	2	2152.63	4.6455	0.0400	0.0	0.0	2.94E-05	2.61E-04	8.69E-04	1 70503
4	3	49	48	10388.82	2	2152.90	4.6449	0.0400	0.0	0.0	0.0	4+12F-06	3.53E-05	1.78E-03 1.37E-04
2	1	10	9	2314.69	1	2152.94	4.6448	0.0547	7.28E-04	9.22F-02	3.70E-01	6.36E-01		
1	0	17	16	499.54	2	2153.45	4.6437	0.0493	4.00E-02	6.52E-02	6.12E-02	5.08F-02	7.89E-01	. 8.40E-01
5	4	69	68	16425.77	2	2153.46	4.6437	0.0400	0.0	0.0	0.0	0.0	4.07E-02 0.0	3.24E-02
5	4	39	38	11146.46	1	2153.49	4.6436	0.0400	0.0	0.0	2.63E-06			1.91E~06
2	1	26	25	3277.80	2	2153.59	4.6434	0.0400	0.0	2.54F-04		1.54E-04	1.59E-03	6.95E-03
6	5	54	53	15653.78	1	2153.91	4.6427	0.0400	0.0	00	2.20E-03 0.0	5.55E-03	8.65E-03	1.07E-02
4	3	28	27	7760.70	ī	2153.99	4.6425	0.0400	0.0	1.09E-06		1.14E-06	3.48E-05	3.12E-04
5	4	70	69	16662.99	2	2154.39	4.6417	0.0400			3.40E-04	5-16E-03	2+36E-02	6.01E-02
ì	Ó	3	ž	11.54		2154.60	4.6412	0.0707	0.0 6.86E 00	0.0	0.0	0.0	0.0	1.61E-06
4	3	50	49	10561.49		2154.68	4.6411	0.0707	0.00	3.47E 00	2.21E 00	1.51F 00	1.08E 00	7.96E-01
3	2	37	36	6561.53	2	2154.94	4.6405	0.0400		0.0	0.0	3.42F-06	3.06F-05	1.21E-04
3	2	19	18	4904.90	ī	2155.27	4.6398	0.0470	0+0 0+0	0.0	2.46E-05	2.31F-04	7.90E-04	1.66E-03
5	4	71	70	16903.43	ž	2155.28	4.6398	0.0400	0.0	5.26E-04	1.67E-02	8-11E-02	1.87E-01	3.02E-01
6	5	55	54	15848.09	ī	2155.43	4.6394	0.0400		0.0	0.0	0.0	0.0	1:355-06
5	4	40	39	11289.51	1	2155.68	4.6389	0+0400	0.0	0.0	0.0	0.0	2.94E-05	2.73E-04
5	4	72	71	17147-08	ź	2156.13	4.6379	0.0400	0.0	0.0	2.156-06	1.33E-04	1.43E-03	6.37E-03
2	1	27	26	3372.13	2	2156.31	4.6376	0.0400			0.0	0.0	0.0	1.12F-06
2	1	11	10	2352.76	ī	2156.35	4.6375	0.0545	0.0 6.68E-04	2.11E-04	1.97E-03	5-156-03	8.22E-03	1.03E-02
4	3	51	50	10737.57		2156.42	4.6373	0.0400	0.0	9.27E-02 0.0	3-83E-01	6.705-01	8.395-01	8.98E-01
1	ō	18	17	561.92		2156.51	4.6371	0.0482	3.15E-02	5.95E-02	,0.0	2.83E-06	2.64E-05	1.08E-04
4	3	29	28	7864.89	ī	2156.65	4.6368	0.0400	0.0	0.0	5.87E-02	5.00F-02	4.07E-02	3.27E-02
6	5	56	55	16045.84	i	2156.92	4.6362	0.0400	0.0	0.0	2.99E-04 0.0	4.73E-03	2.22E-02	5.74E-02
5	4	73	72	17393.93	2	2156.93	4.6362	0.0400	0.0	0.0	0.0	0.0	2.48E-05	2.37E-04
3	2	38	37	6693.98	2	2157.22	4.6356	0.0400	0.0	0.0	2.05E-05	0.0	0.0	9.36E-07
5	4	41	40	11436.14	1	2157.83	4.6343	0.0400	0.0	0.0	1.74E-06	2.02E-04	7.16E-04	1.53E-03
4	3	52	51	10917.06	-	2158.12	4.6337	0.0400	0.0	0.0	0.0	1.15F-04	1.27E-03	5.81E-03
1	0	4	3	23.07		2158.3C	4.6333	0.0676	8.66E 00	4.51E 00	2-90E 00	2.33E-06 1.99E 00	2.276-05	9.538-05
3	2	20	19	4976.46	1	2158.32	4.6332	0.0458	0.0	4.67E-04	1.57E-02	7.85E-02	1.43E 00	1.05E 00
6	5	57	56	16247.05	ī	2158.36	4.6331	0.0400	0.0	0.0	0.0		1 - 84E-01	3.00F-01
2	1	28	27	3470.06		2158.98	4.6318	0.0400	0.0	1.73E-04	1.75E-03	0.0	2.08E-05	2.05E-04
4	3	30	29	7972.75	1	2159.28	4.6312	0.0400	0.0	0.0	2.60E-04	4.76E-03 4.30E-03	7.77E-03	9+946-03
3	2	39	38	6829.95	2	2159.45	4.6308	0.0400	0.0	0.0	1.69E-05		2.07E-02	5.45E-02
1	0	19	18	627.96	2	2159.54	4.6306	0.0470	2.42E-02	5.37E-02	5.58E-02	1.77E-04 4.89F-02	6.46E-04	1-41E-03
2	1	12	11	2394.64	1	2159.73	4.6302	0.0542	5.97E-04	9.16F-02	3.92E-01	6.96E-01	4.04E-02 8.81E-01	3.28E-02
6	5	56	57	16451.68	1	2159.76	4.6301	0.0400	0.0	0.0	0.0	0.0	1 • 74E-05	9-49E-01
4	3	53	52	11099.95	2	2159.78	4.6301	0.0400	0.0	0.0	0.0	1.91F-06	1.94F-05	1.78F-04 8.40F-05
5	4	42	41	11566.35	1	2159.94	4.6298	0.0400	0.0	0.0	1.41E-06	9.84E-05	1.136-03	5.29E-03
6	5	59	58	16659.74	1	2161.12	4.6272	0.0400	0.0	0.0	0.0	0.0	1.45E-05	1.53E-04
3	2	21	20	5051.77	1	2161.33	4.6268	0.0447	0.0	4.10E-04	1.47E-02	7.54F-02	1.905-01	2.97E-01
4	3	€4	53	11286.22	2	2161.40	4.6266	0.0400	0.0	0.0	0.0	1.55E-06	1.65E-05	7.38E-05
2	1	25	28	3571.58	2	2161.62	4.6262	0.0400	0.0	1.41E~04	1.54E-03	4.375-03	7.31E-03	9.50E-03
3	2	40	39	6969.43	2	2161.65	4.6261	0.0400	0.0	0.0	1.39E-05	1.53E~04	5.80E-04	1.30E-03
4	3	31	30	8084.29	1	2161.87	4.6256	0.0400	0.0	0.0	2.25E-04	3.89E-03	1.935-02	5.16E-02
1	0	5	4	38.45	1	2161.97	4.6254	0.0645	1.01F 01	5.44E 00	3.54E 00	2.45E 00	1.76E 00	1.30E 00
5	4	43	42	11740.14	1	2162.00	4.6253	0.0400	0.0	0.0	1.13E-06	8.395-05	9.98E-04	4.79E-03
6	5	60	59	16871.22	1	2162.43	4.6244	0.0400	0.0	0.0	0.0	0.0	1.21E-05	1.32E-04
1	0	20	19	697.65	2	2162.54	4.6242	0.0458	1.83E-02	4.79E-02	5.27E-02	4.74E-02	3.98E-02	3.27E-02
4	3	55	54	11475.88	2	2162.98	4.6233	0.0400	0.0	0.0	0.0	1.265-06	1.41E-05	6.47E-05
2	1	13	12	2440.32	1	2163.08	4.6230	0.0540	5.20F-04	8.91E-02	3.95F-01	7.15E-01	9.15E-01	9.94E-01
6	5	61	60	17086.11	1	2163.69	4.6217	0.0400	0.0	0.0	0.0	0.0	9.99E-06	1.13E-04
3	2	41	40	7112.42	2	2163.81	4.6215	0.0400	0.0	0.0	1.13E-05	1.33E-04	5.19E-04	1.19E-03

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES carbon monoxide $\int\limits_{\omega^{n}}^{J}$

VU	VL.	Jú	JĽ	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT	ED ** ABSOR	TION ** CO	EFFICIENT *	*****
				SJATE.		NUMBER_	LENGTH	. WIDTH.		, . IIII Edilini	CM-2*			
• •		٠.		ENERGY	٠.	CH-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
		-		• •										
5	.4.	44	43	11897.51	1.1	2164.03	4.6210	0.0400	0.0	0,0	. 0.• 0	7-11E-05	8.79E-04	4.33E-03
2	1	30	29	3676.69		2164.22	4.6206	0.0400	0.0	1 - 13E-04	1.35E-03	3.99E-03	6.85E-03	9.05E-03
3	2	22	21	5130.82		2164.30		0.0435	0.0	3.56E-04	_1.36E-02	7.19E-02		2.93E-01
4	3	32	31	8199.50		2164.41	4.6202	0.0400	0.0	0.0	1.945-04	3.51E-03	1.78E-02	4.87E-02
4	3	56	.55	11668,92		2164.52		0.9400	0.0	2.*0			19E-05	
6	5	62	61	17304.39		2164.92	4.6191	0.0400	0.0	0.0	0.0	0.0	8-24E-06	9.64E-05
1	ō	21	20	771.00		2165.50	4.6179	0.0447	1.35E-02	4.22E-02	4.92E-02	4.56E-02	3.91E-02	3.24E-02
1	0	6	5	57.67		2165.60	4.6177	0.0621	1.10E 01	6.24E 00	4.12E 00	2.88E 00	2.08E 00	1.54E 00
3	2.	42	41	7258.90		2165.93			0.0			1.14E-0.4_	4.63E-04	1.08E-03
5	4	45		12058-43	1	2166.01	4.6168	0.0400	0.0	0.0	0.0	6.00E-05	7.71E-04	3.90E-03
4	3	57	56	11865.33	2	2166.01	4.6168	0.0400	0.0	0.0	0.0	0.0	1.00E-05	4.92E-05
6	5	E6	62	17526.07	1	2166.10	4.6166	0.0400	0.0	0.0	0.0	0.0	6.78E-06	8.21E-05
2	1	14	13	2489.80	1	2166.38	4.6160	0.0528	4.42F-04	8.53E-02	3.94E-01	7.27E-01		1.03E 00.
2	1	31	30	3785.38		2166.79	4.6151	0.0400	0.0	9.03E-05	1.17E-03	3.62E-03	6.39E-03	8.59E-03
4	3	33	32	8318.38	1	2166.92		_0.0400	0.0	0.0	1,65E-04	3,14E-03		4.57E-02
3	2	23		5213.61	ì	2167.23	4.6142	0.0423	0.0	3.05E-04	1.24E-02	6.82E-02	1.70E-01	2.87E-01
6	′ 5	64	63	17751.12	1	2167.23	4.6142	0.0400	0.0	0.0	.0.0_	0.0		6.97E_05
4	3	58	57	12065.10	2	2167.47	4.6137	0.0400	0.0	0.0	0.0	0.0	8.45E-06	4.27E-05
5	4	46	45	12222.52	1	2167.96	4.6126	0.0400	0.0	0.0	0.0	5.04E-05	6.74E-04	3.50E-03
3	2	43	42	7408.88	2	2168.01	4.6125	0.0400	0.0	0.0	7.43E-06	9.77E-05	4.11E-04	9.86E-04
6	5	65	64	17979.55	ī	2168.32	4,6119	_0.0400	0.0	0.0	0.0			5.90E-05
i	ō	22	21	847.99		2168.43	4.6116	0.0435	9.80E-03	3.68E-02	4.57E-02	0.0 4.37E-02	3.81E-02	3.20E-02
4	3	59	58	12268.22	2	2168.89	4.6107	0.0400	0.0	0.0	0.0	0.0		3.70E-05
1	0	7	6	80.74	1	2169.20	4.6100	0.0597	1.16E 01	6.90E 00	4.64E 00	3.28E 00	2.38E 00	1.77F 00
2	1	32	31	3897.66	ž	2169.32	4.6097	0.0400	0.0	7.13E-05	1.01E-03	3.27E-03	5.93E-03	8.126-03
6	5	66	65	18211.34	1	2169.37	4.6096	0.0400	0.0	0.0	0.0	0.0	3.68E-06	4.98E-05
4	3	34	33	8440.93	1	2169.39	4.6096	0.0400	0.0	0.0	1.40E-04	_2.80E-03	1.51E-02	4 28E-02
2	1	15	14	2543.08	ī	2169.65	4.6090	0.0517	3.68E-04	8.06E-02	3.88E-01	7.32E-01	9.60E-01	1.06E 00
5	4	47	46	12390.96	î	2169.86	4.6086	0.0400	0.0	0.0	0.0	4.22E-05	5.87F-04	3.13E-03
3	2	44	43 *	7562.35	ź	2170.05	4.6082	0.0400	0.0	0.0	5.95E-06	8.33E-05	3.63E-04	8.94E-04
3	2	24	23	5300.14	ī	2170.13	4.6080	0.0412	0.0	2.59E-04	1.13E-02		1.63E-01	2.80E-01
4	3	60	59	12474.70	2	2170.27	4.6077	0.0400	0.0	0.0	0.0	0.0	5.91E-06	3.19E-05
6	5	67	66	18446.48	1	2170.37	4 6075	0.0400	0.0	0.0	.0.0	0.0	2.99E-06	4.19E-05
1	õ	23	22	928+62	2	2171.31	4.6055	0.0423	6.97E-03	3.18E-02	4.20E-02	4.15E-02	3.696-08	
6	5	68	67	18684.96	1	2171.33	4.6055	0.0400	0.0	0.0	0.0	0.0	2.41E-06	3.145-02
4	ž	61	60	12684.50	ż	2171.61	4.6049	0.0400	0.0	0.0	0.0	0.0		3.525-05
5	4	48	47	12562.54	ī	2171.72	4.6046	0.0400	0.0	0.0	0.0	3.51F-05	4.92E-06 5.09F-04	2.74E-05
2	1	33	32	4013.51	2	2171.81	4.6045	0.0400	0.0	5.586-05				2.79E-03
4	3	35	34	8567.12	1	2171.82	4.6044	0.0400	0.0	0.0	8.69E-04 1.18E-04	2.94E-03 2.48E-03	5.48E-03	7.65E-03 3.99E-02
3	2	45	44	7719.30	2	2172.06	4.6039	0.0400	0.0	0.0	4.74E-06	7.07E-05	3.20E-04	
6	5	69	68	18926.79	1	2172.24	4.6035	0.0400	0.0	0.0	0.0	0.0	1.94E-06	8.07E-04
1	õ	ě	7	107.65	í	2172.76	4.6024	0.0574	1.16E 01	7.41E 00	5.09F 00	3.63E.00		2.94E-05
ž	ĭ	16	15	2600.15	i	2172.88	4.6022	0.0505	2.99E-04	7.50E-02	3.78E-01	7.30E-01	2.666 00	1.99E 00
4	3	62	61	12897.64	2		4.6022	0.0400		0.0			9.71E-01	1.08E 00
3	3	25	24	5390.41		2172.90	4.6020		0.0		0.0	0.0	4.08E-06	2.35E-05
6	5	70	69	19171.93	1	2172.98		0.0400	0.0	2.18E-04	_1.02E-02	6.015-02	1.56E-01	2.72E-01
5	4	49	48	12737.67	1	2173.11	4.6017	0.0400	0.0	0.0	0.0	0.0	1.56E-06	2.45E-05
6					_	2173.54	4+6008	0.0400	0.0	0.0	0.0	2.91E-05	4+39E-04	2.48E-03
	5	71	70	19420.38	1	2173.93	4.6000	0.0400	0.0	0.0	0.0	0.0	1.24E-06	2.04E-05
3	2	46	45	7879.72	2	2174.02	4.5998	0.0400	0.0	0.0	3.75E-06	5.97E-05	2.81E-04	7.27E-04
4	3	63	62	13114.11	2	2174.16	4.5995	0.0400	0.0	0.0	0.0	0.0	3.37E-06	2.01E-05
1	0	24	23	1012.90	2	2174.17	4.5995	0.0412	4.86E-03	2.71E-02	3.84E-02	3.92E-02	3.56E-02	3.07E-02
4	3	36	35	2696.97	1	2174,20	4.5994	0.0400	0.0	0.0	9.89E-05	2.18E-03	1.25E-02	3.70E-02
2	1	34	33	4132.93	2	2174.27	4.5992	0.0400	0.0	4.32E-05	7.40E-04	2.635~03	5.04E-03	7.17E-03

VU	"vî."	Jū-	, <u>,</u>	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF _ WIDTH	*****	** INTEGRATI	ED ** ABSOR		FFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
6	5	72	71	19672.14	1	2174.71	4.5983	0.0400	0.0	0.0	0.0	0.0	0.0	1.69E-05
5	4	50	49	12916.32	1	2175.31	4.5970	0.0400	0.0	0.0	0.0	2.40E-05	3.78E-04	2.19E-03
4	3	64	63	13333.88	2	2175.37	4.5969	0.0400	0.0	0.0	0.0	0.0	2.77E-06	1.72E-05
6	5	73	72	19927.18	1	2175.44	4.5968	0.0400	0.0	0.0	0.0	0.0	0.0	1.40E-05
3	2	, 26	25	5484.40	1	2175.80	4.5960	0.0400	0.0	1.81E-04	9-156-03	5.596-02	1.49E-01	2+63E-01
3	2	47	46	8043.62	2	2175.95	4.5957	0.0400	0.0	0.0	2.95E-06	5.01E-05	2.45E-04	6.52E-04
2	1	17	16	2661.01		2176.08	4.5954	0.0493	2.37E-04	6.90E-02	3.65E-01	7.23E-01	9.75E-01	1.10E 00
6	5	74	73	20185.51		2176.13	4.5953	0.0400	0.0	0.0	0.0	0.0	0.0	1.16E-05
1	0	9	8	138.40		2176.29	4.595C	0.0550	1.136 01	7.75E 00	5.46E 00	3.94E 00	2.91E 00	2.19F 00
4	3	65	64	13556.96		2176.54	4.5944	0.0400	0.0	0.0	0.0	0.0	2.28E-06	1.46E-05
4	3	37	36	8830.47		2176.55	4.5944	0.0400	0.0	0.0	8.27E-05	1.91E-03	1.13E-02	3.42F-02
2	1	35	34	4255.91		2176.68	4.5942	0.0400	0.0	3.32E-05	6.27E-04	2.34E-03	4.62E-03	6.705-03
. е	5	75	74	20447.11		2176.77	4.5940	0.0400	0.0	0.0	0.0	0.0	0.0	9.50E-06
1	0	25	24	1100.81		2176.99	4.5935	0.0400	3.32E-03	2.29E-02	3,48E-02	3.68E-02	3.41E-02	2.99E-02
5	4 5	51	50	13098.50		2177.05	4.5934	0.0400	0.0	0.0	0.0	1.97E-05	3.24E-04	1.94E-03
6 4	3	76 66	75	20711.97		2177.36	4.5927	0.0400	0.0	0.0	0.0	0.0	0.0	7.79E-06
3	2	48	65 47	13783.34 8210.98		2177.67 2177.84	4.5921	0.0400	0.0	0.0	0.0	0.0	1 - 86E- C6	1.24E-05
6	5	77	76	20980.08		2177.91	4.5917 4.5916	0.0400	0.0	0.0	2.31E-06	4 • 1 9E-05	2.14E-04	5.83E-04
6	5	78	77	21251.42		2178.41	4.5905	0.0400	0.0	0.0	0.0	0.0	0.0	6+37E-06
. 3	2			5582.12				0.0400	0.0 0.0	0.0 1.49E-04	0.0 8.14E÷03	0.0	0.0	5.20E-06
s	4	52	51	13284.19		2178.74	4.5901 4.5898	0.0400	0.0	0.0	0.0	1.61E-05	1.41E-01 . 2.77E-04.	
4	3	67	66	14013.01		2178.76	4.5898	0.0400	0.0	0.0	0.0	0.0	1.52E-06	1.70E-03 1.05E-05
6	5	79	78	21525.99		2178.86	4.5896	0.0400	0.0	0.0	0.0	0.0	0.0	4.23E-06
4	3	38	37			2178.86	4.5896	0.0400	0.0	0.0	6.79E-05	1.67E-03	1.02E-02	3-16E-02
2	1	36	35	4382,47		2179.06	4.5891	C.0400	0.0	2.52E-05	5.27E-04	2.07E-03	4.22E-03	6.24E-03
2	1	18	17	2725.67		2179.24	4.5868	0.0482	1.84E-04	6.26F-02	3.49E-01	7.09E-01	9.72E-01	1.11E 00
6	5	80	79	21803.77		2179.27	4.5887	0.0400	0.0	0.0	0.0	0.0	0.0	3.43E-06
6	5	81	80	22084.76	1	2179.63	4.5879	0.0400	0.0	0.0	0.0	0.0	0.0	2477F-06
3	2	49	48	8381.80	2	2179.69	4.5878	0.0400	0.0	0.0	1.80E-06	3.49F-05	1 . 85E-04	5.20E-04
1	0	26	25	1192.36	2	2179.77	4.5876	0.0400	2.23F-03	1.92E-02	3.13E-02	3.44F-02	3.25E-05	2.89F-02
1	0	10	9	172.99	1	2179.78	4.5876	0.0547	1.06E 01	7.94E 00	5.75E 00	4.21E 00	3.13F 00	2.37E 00
4	3	68	67	14245.95		2179.81	4.5876	0.0400	0.0	0.0	0.0	0.0	1.23E-06	8.83E-06
6	5	82	81	22368.93		2179.95	4.5873	0.0400	0.0	0.0	0.0	0.0	0.0	2.24F-06
6	5	83	82	22656.29		2180.22	4.5867	0.0400	0.0	0.0	0.0	0.0	0.0	1.80E-06
5	4	53	52	13473.39		2180.39	4.5863	0.0400	0.0	0.0	0.0	1.31E-05	2.36E-04	1.49E-03
6	5	84	83	22946.81		2180.44	4.5862	0.0400	0.0	0.0	0.0	0.0	0.0	1-44E-06
6	5	85	84	23240.48		2180.61	4.5859	0.0400	0.0	0.0	0.0	0.0	0.0	1.16E-06
6 4	5 3	86 69	85 68	23537.30		2180.74	4.5856	0.0400	0.0	0.0	0.0	0.0	0.0	9.22E-07
4	3	39	38	14482.17 9108.38		2180.82	4.5854	0.0400	0.0	0.0	0.0	0.0	0.0	7.42E-06
3	2	28	27	5683.57		2181.12 2181.32	4.5848 4.5844	0.0400	0.0	0.0	5.57E-05	1.45E-03	9-18E-03	2.90E-02
2	1	37	36	4512.58		2181.41		0.0400	0.0	1.21E-04	7.18E-03	4.76E-02	1.33E-01	2 • 4 26-91
3	2	50	49	8556 . 07		2181.50	4.5842 4.5840	0.0400	0.0	1.90E-05	4.41E-04	1.82E-03	3.83E-03	5.79F-03
4	3	70		14721.64		2181.78	4.5834	0.0400	0.0 0.0	0.0	1.39E-06	2.89E-05	1.60E-04	4.62E-04
5	4	54	53	13666.09		2181.99	4.5830	0.0400	0.0	0.0	0.0	0.9 1.06E-05	0.0	6.225-06
2	1	19	18	2794.11		2182.36	4.5822	0.0470	1.40E-04	5.62E-02	3.31E-01	6.91E-01	2.00E-04 9.52E-01	1.31E-03 1.11F 00
1	ō	27	26	1287.55		2182.51	4.5819	0.0400	1.47F-03	1.59E-02	2.79F-02	3.19E-01	3.09E-02	2.79E-02
4	3	71	70	14964.37		2182.70	4.5815	0.0400	0.0	0.0	0.0	0.0	0.0	5.20E-06
1	0	11	10	211.42		2183.23	4.5804	0.0545	9.76E 00	7.98E 00	5.96E 00	4.43E 00	3.33E 00	2.53E 00
3	2	51	50	8733.79		2183.27	4.5803	0.0400	0.0	0.0	1.07E-06	2.39F-05	1.38E-04	4.10E-04
4	3	40	39	9252.79	1	2183.35	4.5801	0.0400	0.0	0.0	4.54E-05	1.25F-03	8.21E-03	2.65E-02
5	4	55	54	13862.29	1	2183.55	4.5797	0.0400	0.0	0.0	0.0	8.51E-06	1 - 69E-04	1-14F-03

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSORE		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
4	3	72	71	15210.34	2	2183.58	4.5796	0.0400	0.0	0.0	0.0	0.0	0.0	_4-33E-06,_
2	ĭ	38	37	4646.24		2183.71	4.5794	0.0400	0.0	1.42E-05	3.66E-04	1.60E-03	3.47E-03	5 • 35E-03
3	5	29	28	5788.74	1	2184.02	4.5787	0.0400	0.0	9.76E-05	6.30E-03	4.35E-02	1.24E-01	2.31E-01,
4	3	73	72	15459.54	ž	2184.42	4.5779	0.0400	0.0	0.0	0.0	0.0	2.0	3.60E-06
3	2	52	51	8914.94		2185.00	4.5767	0.0400	0.0	0.0	0.0	1.96E-05	1-185-04_	3.62E-04
5	4	56	55	14061.97	1	2185.07	4.5765	0.0400	0.0	0.0	0.0	6.83E-06	1.42E-04	9.88E-04
1	ó	28	27	1386.36		2185.22	4.5762	0.0400	9.50E-04	1.30F-02	2.48E-02	2.94E-02	2.92E-02	2.68E-02
Ā	ž	74	73	15711.97		2185.22	4.5762	0.0400	0.0	0.0	0.0	0.0	0.0	2.99E-06
2	1	20	19	2866.33	1	2185.44	4.5757	0.0458	1.05E-04	4.98E-02	3.11E-01	6.68E-01_	9.47E-01	1.10E 00
4	3	41	40	9400.82	1	2185.53	4.5755	0.0400	0.0	0.0	3.68E-05	1.08E-03	7.31E-03	2.42E-02
4	3	75	74	15967.60	2	2185.97	4.5746	0.0400	0.0	0.0	0.0	0.0	0.0	2.47E-06
2	1	39	38	4783.45	2	2185.98	4.5746	0.0400	0.0	1.05E-05	3.02E-04	1.39E-03	3.12E-03	4.93E-03
5	4	57	56	14265.13	ī	2186.55	4.5734	0.0400	0.0	0.0	0.0	5.45F-06		8.56E-04
1	Ö	12	11	253.68	ì	2186.64	4.5732	0.0542	8.70E 00	7.88E 00	6.09E 00	4.61F 00	3.49E 00	2.68E 00
4	Э	76	75	16226.44	_	2186.68	4.5731	C.0400	0.0	0.0	.0.0	0.0	9.0	2.03E-06
3	2	30	29	5897-62	ī	2186.68	4.5731	0.0400	0.0	7.78E-05	5.48E-03	3.95E-02	1.16E-01	2.19E-01
3	2	53	52	9099.53	2	2186.69	4.5731	0.0400	0.0	0.0	0.0	1.69E-05		3.18E-04
4	3	77	76	16488.47	2	2187.35	4.5717	0.0400	0.0	0.0	0.0	0.0	0.0	1.67E-06
4	3	42	41	9552.46	1	2187.68	4.5711	C.0400	0.0	0.0	2.96E-05	9.205-04	6.48E-03 _	
1	ō	29	28	1488.80	2	2187.89	4.5706	0.0400	6.03E-04	1.05E-02	2.18E-02	2.70E-02	2.74E-02	2.56E-02
4	3	78	77	16753.69	2	2187.97	4.5764	0.0400	0.0	0.0			0.0	1.37E-06
5	4	58	57	14471.76	1	2187.98	4.5704	0.0400	0.0	0.6	0.0	4.33E-06	9.93E-05	7.39E-04
2	1	40	39	4924.21	2	2188.21	4.5699	0.0400	0.0	7.68E-06	2.48E-04	1.21F-03	2.80E-03	4.53E-03
3	2	54	53	9287.54	2	2188.34	4.5697	0.0400	0.0	0.0	0.0	1.315-05	8.62E-05	2.79E-04
2	1	21	20	2942.34	1	2188.48	4.5694	0.0447	7.64E-05	4.36E-02	2.89E-01	6.41E-01	9.26E-01	1.09E.00
4	3	79	78	17022.07		2188.55	4.5692	0.0400	0.0	0.0	0.0	0.0	0.0	1.12E-06
4	3	80	79	17293.62	2	2189.09	4.5681		0.0		. 0.0	0,0	0.0	9.14E-07
3	2	31	30	6010.21	1	2189.30	4.5677	0.0400	0.0	6.15E-05	4.74E-03	3.57E-02	1.08E-01	2.07E-01
5	4	59	58	14681.85	1	2189.37	4.5675	0.0400	0.0	0.0	0.0	3.43E-06	8.26E-05	6.36E-04
4	3	43	42	9707.73	ī	2189.78	4.5667	0.0400	0.0	0.0	2.37E-05	7.83F-04	5.73E-03	1.99E-02
3	2	55	54	9478.96	2	2189.96	4.5663	0.0400	0.0	0.0	0.0	1.06E-05	7.31E-05	2.45E-04
1	0	13	12	299.78	1	2190.02	4.5662	0.0540	7.57E 00	7.65E 00	6.14E 00	4.73E 00	3.62E 00	2.80E 00
2	1	41	40	5068.50	2	2190.40	4.5654	0.0400	0.0	5.57E-06	2.02E-04	1.04E-Q3		4,14E-03
1	ō	30	29	1594.85	2	2190.53	4.5651	0.0400	3.75E-04	8.46E-03	1.91E-02	2.46E-02	2.57E-02	2.43E-02
5	Ā	60	59	14895.39	1	2190.72	4.5647	0.0400	0.0	0.0	0.0	2.70E-06	6.85E-05	
ž	1	22	21	3022.13	ī	2191.49	4.5631	0.0435	5.47E-05	3.78E-02	2.67E-01	6.11E-01	9.00E-01	1.07E 00
3	2	56	55	9673.80	2	2191.53	4.5630	0.0400	0.0	0.0	0.0	8.54E-06	6.18E-05	2.13E-04
4	3	44	43	9866.59	1	2191+84	4.5624	0.0400	0.0	0.0	1.88E-05	6.63E-04	5.04E-03	1.80E-02
3	2	32	31	6126.50	1	2191.88	4.5623	0.0400	0.0			3.21F-02	9.96Ę-02	1.955-01
5	4	61	60	15112.37	1	2192.02	4.5620	0.0400	0.0	0.0	0.0	2.12E-06	5.66E-05	4.67E-04
2	1	42	41	5216.33	2	2192.55	4.5609	0.0400	0.0	4.01E-06	1.63E-04	8.97E-04		3.775-03
3	2	57	56	9872.04	2	2193.06	4.5598	0.0400	0.0	0.0	0.0	6.86E-06	5.21E-05	1.85E-04.
1	ō	31	30	1704.53	2	2193.13	4.5597	0.0400	2.30E-04	6.73E-03	1.66E-02		2.39E-02	2.31E-02
5	4	62	61	15332.79	1	2193.28	4.5594	0.0400	0.0	0.0	0.0	1.65E-06	4.66E-05	3.98E-04
1	ò	14	13	349.72	1	2193.36	4.5592	0.0528	6.43E 00	7.32F 00			3.73E 00	2.90F 00
4	3	45	44	10029.06	1	2193.86	4.5582	0.0400	0.0	0.0	1.48E-05	5.58F-04	4.41E-03	1.61E-02
3	2	33	32	6246.50	1	2194.42	4.5570	0.0400	0.0	3.726-05	3.46E-03	2.87E-02	9.17E-02	1.83E-01
2	1	23	22	3105.69	1	2194.45	4.5570	0.0423	3.83E-05	3.24E-02	2.45E-01	5.79E-01	8.70E-01	1.05E 00
5	4	6.7	62	15556.63	1	2194.49	4.5569	0.0400	0.0	0.0	0.0	1.29E-06	3.82E-05	3.38E-04
3	2	58	57	10073.68	2	2194.55	4.5567	0.0400	0.0	0.0	0.0	5.48E-06	4.37E-05	1.61E-04
2	1	43	42	5367.68	2	2194.67	4.5565	0.0400	0.0	2.86E-06	1.325-04	7.67E-04	1.98E-03	3.43E-03
5	4	64	63	15783.89	ī	2195.66	4.5544	0.0400	0.0	0.0	0.0	0.0	3.13E-05	2.87F-04
1	0	32	31	1917.82		2195.69	4.5544	0.0400	1.38E-04	5.30E~03	1.43E-02		2.22E-02	
_	-	-	-	-										

VU	٧L	JU	JŁ	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF"	******	** INTEGRAT		PTION ** COI	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2 '	T = 300	τ = 600	T = 900	T = 1200	T = 1500	T = 1800
4	3	46	45	10195•12	1	2195.84	4.5541	0.0400	0.0	0.0	1.16E-05	4.68E-04	7.055.03	
3	2	59	58	10278.70	ż	2196.00	4.5537	0.0400	0.0	0.0	0.0	4.88E-04	3.66E-05	1.4.5E=0.2_
ì	ō	15	14	403.48	1	2196.67	4.5523	0.0517	5.33E 00	6.91E 00	_ 6.02E 00	4.84E 00		1.39E-04 298E_00_
2	1	44	43	5522.55		2196.74	4.5522	0.0400	0.0	2.02E-06	1.05E-04	6.52E-04	1.75E-03	3.10E-03
5	4	65	64	16014.55	1	2196.79	4.5521	0.0400	0.0	0.0	0.0	0.0		2.42E-04
3	2	34	33	6370.20	1	2196.92	4.5518	0.0400	0.0	2.85E-05	2.93E-03	2.56E-02	8.41E-02	1.71E-01
2	1	24	23	3193.03	1	2197.38	4.5509	0.0412	2.63E-05	2.74E-02	2.22E-01	5.45E-01		1.03E 00
3	2	60	59	10487.10	2	2197.41	4.5508	0.0400	0.0	0.0	0.0	3.46E-06	3.05E-05	1.20E-04
4	3	47	46	10364.77	1	2197.77	4.5501	0.0400	0.0	0.0	9.08E-06	3.91E-04	3.356-03	1.29E-02
5	4	66	65	16248.61	1	2197.87	4.5499	0.0400	0.0	0.0	0.0	0.0	2.07E-05	2.04E-04
1	0	33	32	1934.72	2	2198.21	4.5492	0.0400	8.12E-05	4.14E-03	1.22E-02	1.81E-02	2.05E-02	2.05E-02
3	2	61	60	10698.87	2	2198.78	4.5480	0.0400	0.0	0.0	0.0	2.735-06	2.53E-05	1.03E-04
2	1	45	44	5680.94	2	2198.78	4.5480	0.0400	0.0	1,41E-06	8.36E-05	5.52E-04	1.54E-03	2.806-03
5	4	67	66	16486.06	1	2198.90	4.5477	0.0400	0.0	0.0	0.0	0.0	1.67E-05	1.72E-04
3	2	35	34	6497.59	1	2199.39	4.5467	0+0400	0.0	2.17E-05	2.47E-03	2.26E-02	7.67E-02	.1.60E-01
4	3	48	47	10538.00	1	2199.67	4.5461	0.0400	0.0	0.0	7.04E-06	3.25E-04	2.90E-03	1.15E-02
5	4	68	67	16726.89	1	2199.89	4.5457	0.0400	0.0	0.0	.0.0	.0•0	1.35E-05	1.44E-04
1	0	16	15	461.08	1	2199.93	4.5456	0.0505	4.32E 00	6.43E 00	5.87E 00	4.82E 00	3.84E 00	3.05E 00
3	2	62	61	10914.00	5	2200.11	4.5452	0.0400	0.0	0.0	0.0	2-155-06	2.09E-05	8.81E-05
2	1	25	24	3284.13	1	2200.27	4.5449	0.0400	1.77E-05	2.306-02	2.01E-01	5.09E-01	7.99E-01	9.95E-01
1	0	34	33	2055.22	2	2200.70		0.0400	4.70E-05	.3.20E-03	1.04E-02	1.62E-02	1,985-02	1.92E-02
2	1	46	45	5842.84	2	2200.78	4.5438	0+0400	0.0	0.0	6.61E-05	4.665-04	1.35E-03	2.52E-03
5	4	69	68	16971.09	1	2200.84	4.5437	0.0400	0.0	0.0	0.0	0.0	1.08E-05	1.20E-04
3	2	63	62	11132.49	2	2201.39	4.5426	0.0400	0.0	0.0	0.0	1.68E-06	1.73E-05	7.53E-05
4	3	49	48	10714.80	1	2201.52	4.5423	0.0400	0.0	0.0	_5.42E-06	2.68E-04	2.50E-03	1.02E-05
5	4	70	69	17218.64		2201.74	4.5419	0.0400	0.0	0.0	0.0	0.0	8.66E-06	1.00E-04
3	2	36	35	6628.66	1	2201.81	4.5417	0.0400	Q•0	1.63E-05		_1.99E-02_		1_48E- <u>0</u> _1_
5 3	4	71 64	70	17469.54	1	2202.60	4.5401	0+0400	0.0	0.0	0.0	0.0	6.91E-06	8.30E-02
2	1	47	62 46	11354.33	2	2202.64	4.5400	0.0400	0.0	0.0	0.0	1.31E-06	1.42E-05	
2	1	26	25	6008.24 3379.00	2	2202.74	4.5398	0.0400	0.0	0.0	5+19E-05	3.91E-04	1.18E-03	2.26E-03
1	â	35	34	2179.32	1 2	2203.13 2203.15	4.5390 4.5390	0.0400	1.17E-05		1.79E-01	4.74E-01	7.60E-01	9.60E-01
i	ŏ	17	16	522.50	1	2203.15	4.5390	0.0400 0.0493	2.67E-05	2.45E-03	8.81E-03	1.44E-02	1.72E-02	1.806-02
â	3	50	49	10895.17		2203.33	4.5386	0.0493	3.42E 00 0.0	0.0	5.66E_00_ 4.15E-06			3.09F_Q0
5	4	72	71	17723.78		2203.41	4.5384	0.0400	0.0	0.0		2.21E-04 0.0	2.15E-03	9.03E-03
3	. 2	65	64	11579.50		2203.84	4.5375	0.0400	0.0	0.0	0.0	1.02E-06	5.49E-06 1.16E-05	6.87E-05_
5	4	73	72	17981.34	1	2204.17	4.5369	0.0400	0.0	0.0	0.0	0.0	4.35E-06_	5.44E-05
3	2	37	36	6763.42	_	2204.19	4.5368	0.0400	0.0	1.21E-05	1.71E-03	1.74E-02	6.30E-05	5.67E-05 1.37E-01
2	1	48	47	6177.14		2204.66	4.5358	0.0400	0.0	0.0	4.05E-05	_3.26E-04_		2.02E-03
5	4	74	73	18242.22	_	2204.89	4.5354	0.0400 `	0.0	0.0	0.0	0.0	3.43E-06	4.67E-05
3	2	66	65	11808.00		2205.01	4.5351	0.0400	0.0	0.0	0.0	0.0	9.49E-06	
4	3	51	50	11079.09	, i	2205.10	4.5349	0.0400	0.0	0.0	3.16E-06	1.81E-04		7.96E-03
1	0	36	35	2307.02	2	2205.56	4.5340	0.0400	1.496-05	1.86E-03	7.395-03		1.57E-02	1.67E-02
5	4	75	74	18506.41	1	2205.57	4.5340	0.0400	0.0	0.0	0.0	0.0	2.70E-06	3-83E-05
2	1	27	26	3477.63	1	2205.94	4.5332	0.0400	7.59E-06	1.57E-02	1.59E~01	4.37E-01	7.19E-01	9.23E-01
, 3	2	67	66	12039.83	2.	2206.13	4.5328	0.0400	0.0	0.0	0.0	0.0	7.72E-06	3-89E-05
5	4	76	75	16773.88	1	2206.19	4.5327	0.0400	0.0	0.0	0.0	0.0	2.12E-06	3.14E-05
1	0	18	17	587.75	1.	2206.36	4.5324	0.0482	2.65E 00	5.35E 00	5.41E 00	4.68E 00	3.84E 00	3.11E 00
3	2	38	37	6901.85	1	2206.53	4.5320	0.0400	0.0	8.96E-06	1.41E~03	1.52E-02	5.67E-02	1.26E-01
2	1	49	48	6349.53	-	2206.54	4.5320	0.0400	0.0	0.0	3.14E-05	2.71E-04	8.85E-04	1.80E-03
5	4	77	76	19044.64		2206.78	4.5315	0.0400	0.0	C.O.	0.0	_0.0	1.66E-06	2.56E-05
4	3	52	51	11266.57		2206.82	4.5314	0.0400	0.0	0.0	2.39E-06	1.47E-04	1.57E-03	6.99E-03
3	2	68	67	12274.96	2	2207.21	4.5306	0.0400	0.0	,0.0	_0.0	_0.0	6.26E-06_	3+27E-05
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v υ	٧L	JU	JL	LOWER	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRATE	ED ** ABSORI	PTION ** CO ATM~1	EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
											•			-
5	4.	78	77	19318.68	1	2207.31	4.5304	0.0400	0.0	0.0	0.0	0.0	1.29E-06	2.09E-05
5	4	79	78	19595.97		2207.80	4.5294	0.0400	0.0	0.0	0.0	0.0	1.00E-06	1.69E05
1	ō	37	36	2438.31	.2	2207.94	4.5291	0.0400	8.18E-06	1.396-03	6.176-03	1.12E-02	1.43E-02	1.55E-02
5	4	80	79	19876.52		2208.24	4.5285	0.0400	0.0	0.0	0.0	0.0	0.0	1.37E-05,
3	2	69	68		2	2208.25	. 4.5285	0.0400	0.0	0.0	.0.0	0.0	5.06E-06	2.75F-05
2	1	50	49	6525.41	2	2208.38	4.5282	0.0400	0.0	0.0	2.42E-05	2.24E-04	7.64E-04	1.59E-03
4	3	53	52	11457.59	1	2208.51	4.5279	0.0400	0.0	0.0	1.79E-06	1.20E-04	1.33E-03	6.12E-03
5	4	81	80	20160.30	1	2208.64	4.5277	0.0400	0.0	0.0	0.0	0.0	0.0	1.115-05
2	1	28	27	3580.03	1	2208.71	4.5275	0.0400	4.82E-06 _	1.27E-02	1,40E-01	4.02E-01	6.77E-01	្ខ•83្គ÷01
3	2	39	38	7043.96	1	2208.83	4.5273	0.0400	0.0	6.55E-06	1.15E-03	1.325-02	5.09E-02	1 • 1 6E-0 1
5	4	85	81	20447.30	1	2208.99	4.5270	0.0400	0.0	0.0	0.0	0.0	0.0	8.90E-06
3	2	70	69	12755.13		2209.24	4.5264	0.0400	0.0	0.0	0.0	0.0	4.07E-06	2.30E-05
5	4	83	82	20737.52		2209.29	4.5263	0.0400	0.0	0.0	0.0	0.0	0.0	7.14E-06
1	0	19	18	656.82		2209.51	4.5259	0.0470	2.01E 00	4.79E 00	5.12E 00	4.55E 00	3.80E 00	3.11E 00
5,	4	84	83	21030.94		2209.54	4.5258	0.0400	0.0	0.0	0.0	0.0	0-0 _	5.72E-06
5	4	85	84	21327.55	1	2209.75	4.5254	0.0400	0.0	0.0	0.0	0.0	0.0	4.57E-06
5	4	92	91	23492.04	1	2209.87	4.5252	0.0400	0.0	0.0	0.0	0.0	0.0	8.75E-07 3.63E-06
5	4	86	85	21627.34	1	2209.91	4.5251	0.0400	0.0	0.0	0.0	0.0 0.0	0.0	1.12E-06
5	4	91	90	23173.46	1	2209.99	4.5249	0.0400	0.0	0.0 0.0	0 • 0 0 • 0	0.0	0.0	2.89E-06
5 5	4	87 90	86 89	21930.29	1 1	2210.02 2210.07	4.5248	0.0400 0.0400	0.0 0.0	0.0		0.0	0.0	1.42E-06
5	4	89	87	22236.39		2210.09	4.5247	0.0400	0.0	0.0	0.0	0.0	0.0	2.29E-06
5	4	89	88	22545.62		2210.10	4.5247	0.0400	0.0	0.0	0.0	0.0	0.0	1.81E-06
4	3	54	53	11652.14	1	2210.15	4.5246	0.0400	0.0	0.0	1.34E-06	9.65E-05	1-13E-03	5.35E-03
2	1	51	50	6704.76		2210.19	4.5245	0.0400	0.0	0.0	1.86E-05	1.85E-04	6.57E-04	1.41E-03
3	ż	71	70	13000.15		2210.20	4.5245	0.0400	0.0	0.0	0.0	0.0	3.27E-06	1.92E-05
1	ō	38	37	2573.18	2	2210.27	4.5243	0.0400	4.40E-06	1.04E-03	.5.11E-03	9.76F-03	1.29E-02	1.43E-02
3	2	40	39	7189.73	1	2211.09	4.5227	0.0400	0.0	4.74E-06	9.38E-04	1.14E-02	4.54E-02	1.06E-01
3	2	72	71	13248.44	2	2211.11	4.5226	0.0400	0.0	0.0	0.0	0 • 0	2.61E-06	1.60E-05_
2	1	29	28	3686.17	1	2211.45	4.5219	0.0400	3.01F-06	1.02E-02	1.23E-01	3.67E-01	6+34E-01	8.42E-01
4	3	55	54	11850.23	1	2211.74	4.5213	0.0400	0.0	0.0	0.0	7.76E-05	9.50E-04	4.65E-03
2	1	52	51	6887.58	2	2211.95	4.5209	0.0400	0.0	0.0	1.41E-05	1.51E-04	5-63E-04	1:24E-03
3	2	73	72	13499.99	2	2211.98	4.5208	0.0400	0.0	0.0	0.0	0.0	2.08E~06	1 •32E-05 _
1	0	39	38	2711.64	2	2212.57	4.5196	0.0400	2.33E-06	7.65E-04	4.21E-03	8.50E-03	1.16E-02	1.32E-02
1	0	20	19	729.71	1	2212.63	4.5195	0.0458	1.50E 00	4.24E 00	4.80E 00	4.40E 00	3.74E 00	3.09E 00
3	2	74	73	13754.80		2212.80	4.5192	0.0400	0.0	0.0	0.0	0.0	1.656-06	1 - 1 0E-05
4	3	56	55	12051.84	1	2213.30	4.5181	0.0400	0.0	0+0	0.0	6.21E-05	7.98E-04	. 4.03E-03
3	2	41	40	7339.16		2213.31	4.5181	0.0400	0.0	3.40E-06	7.58E-04	9.74E-03	4.04E-02	9.62E-02
3	2	75	74	14012.86	2	2213.59	4.5175	0.0400	0.0	0.0	0.0	0.0	1.316-06	9.04E-06
2	1	53	52	7073.87	2	2213.67	4.5174	0.0400	0.0	0.0	1.07E-05 1.07E-01	1.24E-04 3.33E-01	4.80E-04 5.91E-01	1.09E-03 7.99E-01
2	1	30	29	3796.07	1	2214.14	4.5164	0.0400	1.84F-06 0.0	8.13E-03 0.0	0.0	0.0	1.03E-06	7.44E-06
3	2	76 57	75	14274.14	2	2214.33	4.5160 4.5151	0.0400 0.0400	0.0	0.0	0.0	4.95E-05	6.67E-04	3.49E-03
4 1	0	40	56 39	2853.67	1 2	2214.81 2214.83	4.5151	0.0400	1.21E-06	5.59E-04	3.45E-03	7.36E-03	1.04E-02	1.21E-02
3	2	77	76	14538.66		2215.03	4.5146	0.0400	0.0	0.0	0.0	0.0	0.0	6.11E-06
2	ī	54	53	7263.61	2	2215.36	4.5139	0.0400	0.0	0.0	8.07E-06	1.00E-04	4.08E-04	9.59E-04
3	2	42	41	7492.24	1	2215.49	4.5137	0.0400	0.0	2.41E-06	6.08E-04	8.31E-03	3.58E-02	8.73E-02
3	2	78	77	14806.39	ž	2215.68	4.5133	0.0400	0.0	0.0	0.0	0.0	0.0	5.00E-06
1	ō	21	20	806.42		2215.70	4.5132	0.0447	1.09E 00	3.71E 00	4.47E 00	4.22E 00	3.65E 00	3.06E 00
4	3	58	57	12465.57		2216.27	4.5121	0.0400	0.0	0.0	0.0	3.92E-05	5.56E-04	3.01E-03
3	2	79.	78	15077.32		2216.30	4.5120	0.0400	0.0	0.0	70.0	0.0	0.0	4.08E-06
2	1	31	30	3909.71	1	2216.80	4.5110	0.0400	1.10E-06	6.41E-08	9.22E-02	3.01E-01	5.49E-01	7.55E-01
Э	2	80	79	15351.45	2	2216.86	4.5109	0.0400	0.0	0.0	0.0	0.0	0.0_,	3.38E06

VU	٧L	JU		LOWER STATE	CODE	WAVE NUMBER	WAVE LENGIH	HALF WIDTH	*****	**- INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	Y = 1200	T = 1500	T = 1800
														
2	1	55	54	7456.80	2	2217.00	A-5106	_0.0400	0.0	0.0	6 0AE.06	8-12E-05	7 465 04	0.705.0
ī	ō	41	40	2999.27		2217.06	4.5105	0.0400	0.0	4.04E-04				8.38E-04
3	2	81	. 80	15628.77		. 2217.39	4.5098				2.80E-03	6.35E-03	9.29E-03	1.10E-0
ž	Ş	43	42	7648.97		2217.63	4.5093	0.0400	0.0	1.70E-06	4.85E-04	7.06E-03	0.0	2.69E=0
4	3	59	58	12677.69	î	2217.70	4.5092	0.0400	0.0				3.16E-02	7490E-02
3	2	82	81	15909.25		2217.87	4.5088	0.0400		0.0	9.0		4.62E±0,4.	
3	2	83	82	16192.90	2		4.5079		0.0	0.0	0.0	0.0	0.0	2.18E-06
2	1	56	55	7653.44	2	2218.60	4.5073	0.040 <u>0</u>	0.0 0.0	_0.0	0.0	0 <u>0</u>	. 0.0	L-7.6E=9.0
3	ż	84	83	16479.69		2218.71_	4.5073	0.0400		0.0	4.49E-06	6.54E-05	2.92E-04	7.30E-04
ĭ	õ	22	21	886.95	- i	2218.75	4.5070	0.0435	.0 • <u>0</u>	0 <u>.0</u>	0, 0		0.9	_ 1.4.2E-0.
3	2	85	84	16769.63	ž	2219.06	4.5064	0.0400	7.76E-01	3.21E 00	4.12E 00	4.02E 00	3.55E 00	3.01E 0
4	3	60	59	12893.29	ī	2219.08	4.5064	0.0400	0.0	0.0	0.0	0.0	0.0	. 1-14E-0
1	ō	42	41	3148.44	2	2219.24	4.5060	0.0400	0.0	0.0	0.0	2.43E-05	3.83E-04	2.21E-03
j.	2	86	85	17062.69	2				0.0	2.90E-04	2.27E-03	_5.44E-03	8.26E-03	1.00E-0
2	1	32	31	4027.09	i	2219.36 2219.42	4.5058 4.5057	0.0400	0.0	0.0	0.0	0.0	0.0	9.10E-0
3	ż	44	43	7809.34		2219.72		•	0.0				5.07E-Q1	7.11E-Q
2	1	57	56	7853.51	1 2	2220.17	4.5051 4.5042	0.0400 0.0400	0.0 0.0	1.18E-06	3.85E-04	5.97F-03	2.77E-02	7-125-02
4	3	61	60	13112.37	1	2220.41	4.5042	0.0400	0.0	0.0		_5.24E-05	2.46E-04	6.34E-0
ī	ő	43	42	3301.17						0.0	0.0	1.90E-05	3.152-04	1.89E-0
5	1	58	57	8057.01	2	2221.39 2221.69	4.5017	0.0400	0.0		_1.82E-03	4.65E-03	7.31E-03	9 1 2E-0
4	3	62	61	13334.93			4.5011	0.0400	0.0	0.0	2.45E-06	4.18E-05	2.06E-04	5.49E-0
1	0	23	22	•	1 .		4.5010	0.0400_	0.0	~0 • 0 ~ ~~			2+595-04_	1.61E=0
3	2	45		971.28	1	2221.75	4.5010	0.0423	5.42E-01	2.74E 00	3.77E 00	3.80E 00	3.43E 00	2.95E 0
	1	33	44 32	7973.35	1	2221.77	4.5009	0.0400	0.0	0.0	3.03E-04	5.02E-03	2.43E-02	
2				4148.21	1	2221.99	4.5005	0.0400	0.0	3.866-03	6.72E-02	2.41E-01	4.66E-01	6.67E-0
4	3	63	62	13560.93	1	2222.95	4.4985	0.0400	0.0	0.0	0.0	1.156-05		1 <u>.37</u> E-0:
2	1	59	58	8263.93	2	2223-17	4.4981	0.0400	0.0	0.0	1.79E-06	3.32E-05	1.72E-04	4.745-0
1	0	44	43	3457.45		2223.50	4 • 4 9 7 4 ,		0.0	1.45E-04		_3.95E~03	,6•,45E- <u>,</u> 03	
3	,2	46	45	8140.98	1	2223.79	4.4968	0.0400	0+0	0.0	2.37E-04	4.20F-03	2.11E-02	5.72E-0:
4	3	64	63	13790.39	1	2224.16	4.4961	0.0400	0.0	0.0	0.0	8.885~06	1.73E-04	1.16E-0
2	1	34	33	4273.06	1	2224.53	4.4953	0.0400	0.0	2.95E-03	5.68E-02	2.14E-01	4.27E-01	6.23E-0
2	1	60	59	8474.25		2224.61	4 • 4 95 2	0.0400	0.0	0.0	1.305-06	2.63E-05	1.43E-04	_ 4.07E-0
1	0	24	23	1059.42	_	2224.71	4.4950	0.0412	3.71E-01	2.32E 00	3.42E 00	3.57E 00	3.29E 00	2.87E 0
4	3	65	64	14023.30		2225.32	4.4937	0.0400	0.0	0.0	0.0	6.82E-06	1.41E-04	.9.76E-0
1	0	45	44	3617.28		2225.57	4.4932	0.0400	0.0	1.01E-04	1.15E-03	3.34E-03	5.67E-03	7.43E-0
3	2	47	46	8312.24		2225.76	4.4928	0.0400	0.0	0.0	1 + 84E-04	3.50E-03	1.84E-02	5.1 LE-0
2	1	61	60	8687.99	2	2226.01	4.4923	0.0400	0.0	0.0	0.0	2.07E-05	1 • 1 8E-04	3.50E-0
4	3	66	65	14259.63		2226.43	4.4915	0.0400	0.0	0.0	_o • o	5.22E-06	1.14E-04	B.21E-0
2	1	35	34	4401.64		2227.03	E084.4	0.0400	0.0	2.24E-03	4.77E-02	1.89E-01	3.89E-01	5.79E-0
2	1	62	61	8905-12		2227.37	4.4896	0.0400	0.0	0.0	0.0	t • 62E-05	9,79E-05	2.99F-0
4	3	67	66	14499.39		2227.50	4.4893	0.0400	0+0	0.0	0.0	3.98E-06	9.20E-05	6.88E-0
1	0	4,6	45	3780.65		2227.60	4.4891	0.0400	0.0	7.01F-05	9.08E-04	2.81E-03	4.96E-03	6.68E-0
1	0	25	24	1151.37	I	2227.64	4.4891	0.0400	2.49E-01	1.94E 00	3.08E 00	3.34E 00	3.14E 00	2.79E 0
3	,5	48	47	8487.11	1	2227.69	4.4890	0.0400	0.0,	0.0	1 + 43E-04	2.90E-03	1.59E-02	4.54E-0
4	3	68	67	14742.56		2228.53	4.4873	0.0400	0.0	0.0	0.0	3.02E-06	7.40E-05	5.76E-0
2	1	63	62	9125.64	_	2228.69	4.4869	0.0400	0.0	0.0.	0.0	1.27E-05	8.06E-05	2.55E-0
2	1	36	35	4533.94	1	2229.48	4.4854	0.0400	0.0	E0-386.1	3.97E-02	1.67E-01	3.53E-01	5.37E-0
4	3	69	68	14989.13	1	2229.51	4.4853	0.0400	0.0	0.0	0.0	2.28E-06	5.93E-05	4.80E-0
3	2	49	48	8665.59	1	2229.57	4.4852	0.0400	0.0	0.0	1.10E-04	2.39E-03	1.37E-02	4.02E-0
1	0	47	46	3947.55		2229.59	4.4851	0.0400	0.0	4.80E-05	7-115-04	2.35F-03	4.32E-03	5.98E-0
2	1	64	63	9349.53		2229.97	4.4844	0.0400	0.0	0.0	0.0	9.85%-06	6.61E-05	2.17E-0
4	3	70	69	15239,10	1	2230.44	4.4834	0.0400	0.0	0.0	0.0	1.72E-06	4.74E-05	3.99E-0
1	0	26	25	1247.11	1	2230.52	4.4833	0.0400	1.64E-01	1.61E 00	2.75E 00	3.10E 00	2.99E 00	2.69E 0
2	1	65	64	9576.80	2	2231.21	4.4819	0.0400	0.0	0.0	0.0	7.62E-06	5.40E-05	1.84E-04

VU	٧L	JŪ	JL	LOWER	CODE	WAVE NUMBER, _	WAVE LENGTH,	HALF WIDTH	******	* INTEGRATE	D ** ABSORP		FFICIENT **	****
-	••			ENERGY	_	CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
		-		- 41 -										•
_4				15492.44						0.0	0.0	1.28E-06	3.77E-05	3.31E-04
3	2	50	49	8847.68	1	2231.42	4.4815	0.0400	0.0	0.0	8.36E-05	1.97E-03	1.17E-02	3.55E-02
1	0	48	47	4117.99	2	2231.54	4.4812	0.0400	0.0	3.26E-05	5.54E-04	1.965-03	3.75E-03	5.34E-03
2	1	37	36	4669.95	1	2231.90	4 - 4 805	0.0400	0.0	1.24E-03	3.29E-02	1.46E-01	3.19E-01	4.96E-01
,4,	. 3	72	71	15749.16	1 .	.2232.18		_0.0400	0.0	0.0	0.+0 _	0.0	2.99E-05	2.73E-04
2 4	1	66	65	9807.43	2	2232.40	4.4795	0.0400	0.0	0.0	0.0	5.88E-06 0.0	4.40E-05 2.36E-05	1.55E-04 2.25E-04
3	2	73 51	72 50	16009.24 9033.35	1	2232.98 2233.22	4.4783	0.0400 0.0400	0.0	0.0	6.35E-05	1.61E-03	1.00E-02	3.13E-02
1	0.	.27.	26	1346 <u>.</u> 66_		.2233•22	4.4775	0.0400			2.44E QQ	2.86E 00	3.82E_00	
•	~ ŏ-	49	48	4291.95	<u>2</u>	2233.46	4.4774	0.0400	0.0	2.20E-05	4.28E-04	1.63E-03	3.25E-03	4.75E-03
ż	ĭ	67		10041.41	2	2233.55	4.4772	0.0400	0.0	0.0	0.0	4.51E-06	3.57E-05	1.31E-04
4	3	74	73	16272.68	1	2233.73	4.4768	0.0400	0.0	0.0	0.0	0.0	1.86E~05	1.85E-04
2	1	36	37	4809.68	ī	2234.27	4.4757	0.0400	0.0	9.16E-04	2.71E-02	1.276-01	2.87E-01	4.56E-01
4	3	75		16539.45	1	2234 + 44	4.4754	0.0400	0.0	0.0	0.0	0.0	1.46E-05	1.52E-04
.2	1	68		1,0278.73	2			.0.0400	0.0	0.0	.0.0	3.45E-06	2.89E-05 .	1-108-04
3	2	52	51	9222.61	1	2234.98	4.4743	0.0400	0.0	0.0	4.79E-05	1.31E-03	8.53E-03	2.75E-02
4	. З	76	75	16809.55	1	2235.10	4.4741	0.0400	0.0	0.0	0.0	0.0	1.14E-05	1.24E-04
1	Ò	50	49	4469.43	2	2235.33	4.4736	0.0400	0.0	1.47E-05	3.30E-04	1.34E-03	2.806-03	4.21E-03
4	3	77	76	17082.96	1	2235.71	4.4729	C.0400	0.0	0.0	,0.0	0.0	8.91E-06	1.01E-04
2	1	69	68	10519.39	2	2235.74	4.4728	0.0400	0.0	0.0	0.0	2.62E-06	2.335-05	9.22E-05
1	0	28	27	1449.99	1	2236.18	4.4719	_0.0400	6.68E-02	1.07E 00	_2.15E00	2.63E 00	5.66E 00 ~	2.47E_00
4	Ε	78	77	17359.69	1	2236.28	4.4717	0.0400	0.0	0.0	0.0	0.0	6.93E-06	8.19E-05
٠2	1	39	38	4953.12	1	2236.61	4.4711	0.0400	0.0	6.67E-04	2.21E-02	1.10E-01	2.57E-01	4.18E-01
3	2	53	52	9415.45	1	2236.70	4.4709	0.0400	0.0	0.0	3.59E-05	1.06E-03	7.23E-03	2.40E-02
2	1	70		10763.38	2	2236.76	4.4708	0.0400	0.0	0.0	0.0	1.99E-06	1.87E-05	7.70E-05
4	3	79		17639.71	1	2236.81	4+4707	0.0400	0.0	0.0	0.0	0.0	5.36E-06	6.63E-05
Ţ	0_			4650.41		_2237.17	4.4699	_C.0400	0.0	_9.70E-06_	2.52E-04	_1.195-03	_2.40E-03	_3.725-03_
4	3	80		17923.02	1	2237.28	4.4697	8.0400	0.0	0.0	0.0	0.0	4.14E-06 3.19E-06	5.36E-05 4.32E-05
4 2	3 1	81 71		18209.59	1 2	2237+71	4 • 4 6 8 9	0.0400	0.0	0.0	0.0	0.0 1.50E-06	1.50E-05	6.42E-05
4	3	82		11010.69	1	2237.75 2238.09	4.4688	0.0400	0.0	0.0	0.0	0.0	2.44E-06	
4	3	97		23229.68	1	2238.11	4.4681	0.0400	0.0	0.0	0.0	0.0	0.0	9.34E-07
3	2	54	53	9611.86	1	2238.37	4.4675	0.0400	0.0	0.0_	2.6 <u>75-</u> 05	8.53E-04	6.11E-03	8.09E-02
4	3	63		18792.51	i	2238.43	4.4674	0.0400	0.0	0.0	0.0	0.0	1.87E-06	2.78E-05
4	3	96		22892.46	i	2238.45	4.4674	0.0400	0.0	0.0	0.0	0.0	0.0	1.216-06
2	ĩ	72		11261.30	2	2238.69	4.4669	C.0400	0.0	0.0	0.0	1.135-06	1.20E-05	5.33E-05
4	3	84		19088.83	1	2238.72	4.4668	0.0400	0.0	0.0	0.0	0,0	1.42E-06	2.225-05
4	3	95		22558.31	1	2238.74	4.4668	0.0400	0.0	0.0	0.0	0.0	0.0	1.57E-06
2	1	40	39	5100.25	1	2238.90	4.4665	0.0400	0.0	4.81E-C4	1.79E-02	9.44E-02	2.29E-01	3.82E-01
1	0	29	28	1557.12	1	2238.95	4.4664	0.0400	4.15F-02	8.55E~01	1.88E 00	2.40E 00	2.49E 00	2.35E 00
4	3	85	84	19388.37	1	2238.96	4.4664	0.0400	0.0	0.0	0.0	0.0	1.08E-06	1.77E-05
1	0	52	51	4834.91	2	2238.96	4.4664	0.0400	0.0	6.36E-06	1.91E-04	9.045-04	2.05E-03	3.28E~03
4	3	94	93	22227.24	1	2238.98	4.4663	0.0400	0.0	0.0	0.0	0.0	0.0	S-05E-06
4	3	86		19691.13	1	2239.15	4.4660	0.0400	0.0	0.0	0.0	0.0	0.0	1.40E-05
4	3	9,3		21899.26	1	2239.17	4.4659	0.0400	0.0	0.0	_0.0	0.0	0.0	2.60E-06
4	3	87		19997.09	1	2239.30	4.4657	0.0400	0.0	0.0	0.0	0.0	0.0	1-116-05
4	3	92		21574.38	1	2239.31	4.4657	0.0400	0.0	0.0	0.0	0.0	0.0	3.33E-06
4	3	88		20306.23	1	2239.40	4.4655	0.0400	0.0	0.0	0.0	0.0	0.0	8.79E-06
4	3	91		21252.63	1	2239.41	4.4655	0.0400	0.0	0.0	0.0	0.0	0.0	4.26E-06
4	3	90		20934.01	1	2239.45	4.4654	0.0400	0.0	0.0.	0.0	0.0	0.0	5.445-06
4	3	89		20618.54	1	2239.45	4.4654	0.0400	0.0	0.0	0.0	0.0	0.0	6.92E-06 4.41E-05
2 3	1	73	72 54	11515.21	2	2239.60	4.4651	0.0400	0.0	0.0	0.0	0.0 6.84E-04	9.52E-06 5.14E-03	1.82E-02
٠	2	55	54	9811.84	1	2240.00	4.4643	0.0400	0.0	0.0	1.98E-05	04046-04	J. 146-03	1 +11 EE - 0 E

VU	VL	Ju	JĻ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH		** INTEGRAT	ED ** ABSORI		FFICTENT *	*****
				ENERGY		CM-1	MICRON	NS		T = 600	T = 900	T = 1200	T = 1500	T = 1800
2	1	74	73	11772.40	2	2240.45	4.4634	0.0400	0.0	0.0	0.0	0.0	7.54E-06	_3,65E-05.
1	0	53	52	5022.89	2	2240.72	4.4629	0.0400	0.0	4.14E-06	1.45E-04	7.36F-04	1.75E-03	2.88E-03
2	1	41	40	5251.08		2241.16	4.4620	0.0400	0-0	3.44F-04	1.45E-02	8.085-02	2.03E-01.	3.47E-01
2	1	75	74	12032.87	2	2241.27	4.4618	0.0400	0.0	0.0	0.0	0.0	5.96E-06	3.00E-05
3	2	56	55	10015.37	1	2241.59	4.4611	0.0400	0.0	0.0	1.46E-05	5.46E-04	4.31E-03	1 +58E-Q2,
1	0	30	29	1668.03	1	2241.68	4.4609	0.0400	2.52E-02	6.79E-01	1.63E 00	2.17E 00	2.32E 00	2.23E 00
2	1	76	75	12296.62	2	2242.04	4.4602	0.0400	0.0	0.0	0.0	.0.0	4.69E-06	2.47E-05
1	0	54	53	5214.37	2	2242.43	4.4594	0.0400	0.0	2.666-06	1 - 09E-04	5.97E-04	1.49E-03	2.52E-03
2	1	77	76	12563.62	2	2242.77	4.4588	0.0400	0.0	0.0	0.0	0.0	3.68E-06	2.02E-05_
3	2	57	56	10222.44	1	2243.13	4.4581	0.0400	0.0	0.0	1.07E-05	4.34E-04	3.60E-03	1.36E-02
2	1	42	41	5405.60	1	2243.37	4.4576	0.0400	0.0	2.44E-04	1.16E-02	6.89E-02	1.80E-01	3.155-01
2	1	78	77	12833.86	2	2243.46	4.4574	0.0400	0+0	0.0	0.0	0.0	-2.88E-06	1.65E-05
1	0	55	54	5409.33	2	2244.11	4.4561	0.0400	0.0	1.70E-06	8.11E-05	4.82E-04	1.26E-03	2.20E-03
2	1	79	78	13107.35	2	2244.11	4.4561	0.0400	0.0	0.0	0.0	0.0	2.24E-06	1.34E-05
1	0	31	30	1782.72	1	2244.37	4.4556	0.0400	1.51E-02	5.33E-01	1.40E 00	1.96F 00	2.15E 00	2.11E 00
Э	2	58	57	10433.05	1	2244.63	4 • 4 5 5 1	0.0400	0.0	0.0	7.75F-06	3.43E-04	3.00E-03	1.175-02
2	1	80	79	13384.06	2	2244.71	4.4549	0.0400	0.0	0.0	00	0.0	1.74E-06	1.09E-05
2	1	81	80	13663,99	2	2245.26	4.4538	0.0400	0.0	ັດດ	0.0	0.0	1.35E-06	8.84E-06
2	1	43	42	5563.80	1	2245.54	4.4533	0.0400	0.0	1.71E-04	.9.23E-03	5.84E-02		2.85E-01
1	0	56	55	5607.77	2	2245.74	4.4529	0.0400	0.0	1.08E-06	6.02E-05	'3.87E~04	1.06E-03	1.91E-03
2	1	82	81	13947-12	2	2245.78	4.4528	0.0400	0.0	.0.0	0.0	0.0	1.04E-06	7-14E-06
3	2	59	58	10647.20	1	2246.09	4.4522	0.0400	0.0	0.0	5.60E-06	2.70E-04	2.48E-03	1.00E-02
`2	1	83	82	14233.45	2	2246.25	4.4519	0.0400	0.0	0.0	0.0	0.0		5.75E-06
2	1	84	83	14522.95	2	2246.67	4.4510	0.0400	0.0	0.0	0.0	0.0	0.0	4.62E-06
1	0	32	31	1901.19	1	2247.02	4.4503	0.0400	8.82E-03	4.15E-01	1.20E 00	1.76E 00		
2	1	85	84	14815.63	2	2247.06	4.4503	0.0400	0.0	0.0	0.0	0.0	0.0	3.70E-06
1	0	57	56	5809.67	2	2247.34	4.4497	0.0400	0.0	0.0	4.44E-05			1.66E-03
2	1	86	85	15111.48	2	2247.40	4.4496	0.0400	0.0	0.0	0.0	0.0	0.0	2.96E-06
3	2	60	59	10864.87	1	2247.51	4.4494	0.0400	0.0	0.0	4.02E-06	2.12F-04		8.59E-03
2	1	44	43	5725.68	1	2247.67	4.4491	0.0400	0 • C	1.19E-04	7.30E-03	4.93E-02	1.39E-01	2.56E-01
2	1	87	86	15410.46	2	2247.69	4.4490	0.0400	0.0	0.0	0.0	0.0	0.0	2.36E-06
2	1	88	87	15712.59	2	2247.94	4.4485	0.0400	0.0	0.0	0.0	0.0	0.0	1.87E-06
2	1	89	88	16017.84	2	2248.14	4.4481	0.0400	0.0		0,0	0.0	.0.0	1.48E-0.6
2	1	90	89	16326.21	2	2248.31	4.4478	0.0400	0.0	0.0	0.0	0.0	0.0	1.17E-06
2	1	91	90	16637.68	2	2248.42	4-4476	0.0400	0.0	0.0	0.0	0.0	0.0	9.256-07
3	2	61	60	11086.05	1	2248.88	4.4467	0.0400	0.0	0.0	2.87E-06	1.65E-04	1.69E-03	7.33E-03
1	0	58	57	6015.03	2	2248.89	4.4466	0.0400	0.0		_3,26E-05	2.46E-04	7.44E-04	1.43E-03
1	0	33	32	2023.43	1	2249.63	4.4452	0.0400	5.07E-03	3.20E-01	1.02E 00	1.57E 00	1.82E 00	1.86E 00
2	1	45	44	5891.22	1	2249.76	4.4449	0.0400	0.0	8.17E-05	5.73E-03	4-14E-02_	1.226-01	2.30E-01
3	2	62	61	11310.73	1	2250.20	4.4440	0.0400	0.0	0.0	2.04E-06	1.29E-04	1.38E-03	6.23E-03
1	c	59	58	6223.85		2250.41	4.4436	0.0400	0.0	0.0	2.38E-05	1.95E-04	6-20E-04	1.23F-03
3	2	63	62	11538.91	1	2251.49	4.4415	0.0400	0.0	0.0	1.44E-06	9.94E-05	1.13E-03	5.28E-03
2	1	46	45	6060.43		2251.81	4.4409	0.0400	0.0	5.57E-05	4.48E-03	3.46E-02	_ 1.06E-01	2.05E-01
1	Ö	60	59	6436,11	2	2251.88	4.4407	0.0400	0.0	0.0	1.72E-05	1.54E-04	5.15E~04	1.06E-03
1	ò	34	33	2149.44		2252.20	4.4401	0.0400	2.86E-03	2.44F-01				1.735 00
3	2	64	63	11770.57	ī	2252.72	4.4391	0.0400	0.0	0.0	1.01E-06	7.66E-05	9.21E-04	4.46E-03
1	ō	61	60	6651.80		2253.31	4.4379	C.0400	0.0	0.0	1.24E-05	1.21E-04	4.26E-04	9.09E-04
Ž	1	47	46	6233.30	ī	2253.81	4.4369	0.0400	0.0	3.76E-05	3.47E-03	2.87E-02	9.16F-02	1.83E-01
3	ż	65	64	12005.71	ī	2253.92	4.4367	0.0400	0.0	0.0	0.0	5.87E-05	7.47E-04	3+76E-03
1	ā	62	61	6870.93		2254.71	4.4352	0.0400	0.0	0.0	8.90E-06	9.48F-05	3.51E-04	7.76E-04
1	ō	35	34	2279.20		2254.73	4.4351	0.0400	1.58E-03	1.84E-01	7.20E-01	1.23E 00	1,52E 00	1.61E 00
3	2	66	65	12244.32		2255.07	4.4345	0.0400	0.0	0.0	0.0	4.48E-05	6.04E-04	3.15E-03
2	1	48	47	6409.82		2255.77	4.4331	0.0400	0.0		2.68E-03	2.38E-02	7.91E-02	
-	_				-				5.0			##30C-0E	. 4 Z z u - 70 %	

vu	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	D ** ABSORF		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
1	q	63	62	7093.47	2	2256.06	4.4325	0.0400	0.0	0.0	6.34E-06	7.38E-05	2.89E-04	6.61E-04
3	2	67	66	12486.39	1	2256.17	4.4323	0.0400	0.0	0.0	0.0	3.41E-05	4.86F-04	2.64E-03
3	2	68	67	12731.90	1	2257.23	4.4302	0.0400	0.0	0.0	0.0	2.58E-05	3.90E-04	2.20E-03
1	0	36	35	2412.73	1	2257.23	4.4302	0.0400	8.58E-04	1.38E-01	5.99E-01	1.08E 00	1.37E 00	1.49E 00
1	0	64	63	7319.43	2	2257.37	4.4299	0.0400	0.0	0.0	4.49E-06	5.73F-05	2.36E-04	5.61E-04
2	1	49	48	6589.98	1	2257.69	4.4293	0.0400	0.0	1.67E-05	2.05E-03	1.96E-02	6.80E-02	1.44E-01
3	2	69	68	12980.85	1	2258.24	4.4282	0.0400	0.0	0.0	0.0	1.94F-05	3.12E-04	1.83F-03
1	0	65	64	7548.79	2	2258.64	4.4274	0.0400	0.0	0.0	3.17E-06	4 • 4 25 - 0 5	1 • 93E-04	4.75F-04
3	2	70	.69	13233.23	1	2259.21	4.4263	_ 0.0400	0.0		.0.0 .,	1.46E-05		1.52E_03
2	1	50	49	6773.78	1	2259.57	4.4256	0.0400	0.0	1.10E-05	1.56E-03	1 • 6 1E-02	5.83E-02	1.276-01
t	0	37	36	2550.01	1	2259.68	4.4254	0.0400	4.57E~04	1.02E-01	4.95E-01	9-415-01	1.24E 00	1.38E 00
1	0	66	65	7781.55	2	2259.86	4.4251	0.0400	0.0	0.0	2.22E-06	3.40E-05	1.57E-04	4.01E-04
3	2	71	70	13489.02	1	2260.14	4.4245	0.0400	0.0	0.0	0.0	1.09E-05	1.98E-04	1.26E-03
3	2	72	71	13748.23	1	2261.02	4.4228	0.0400	0.0	0.0	0.0	8.09E-06	1.56E-04	1.04E-03
1	0	67	66	8017.69	2	2261.05	4.4227	0.0400	0.0	0.0	1.54E-06	2.60E-05	1.27E-04	3.376-04
2	1	51	50	6961.20	1	2261.41	4.4220	0.0400	0.0	7.16E-06	1.18E-03	1.31E-02	4.97E-02	1 - 1 2E-0 1
3	2	73	72	14010.82	1	2261.85	4.4212	0.0400	0.0	0.0	0.0	5.99E-06	1.23E-04	8.54E-04
1	0	38	37	2691.03	1	2262.09	4.4207	0.0400	2.395-04	7.48E-02	4.07E-01	8.17E-01	1.11E 00	1.26E 00
1	٥	68	67	8257.20	2	2262.19	4.4205	0.0400	0.0	0.0	1.07E-06	1.98E-05	1 • 03E-04	2•83E-04
3	2	74	73	14276.81	1	2262.64	4.4196	0.0400	0.0	0.0	0.0	4.41E-06	9.69E-05	7.01E-04
2	1	52	51	7152.25	1	2263.20	4.4185	0.0400	0.0	4.62E-06	8.89E-04	t.06E-02	4.22E-02 .	•
1	C	69	68	8500.09	2	2263.29	4.4183	0.0400	0.0	0.0	0.0	1.51E-05	8.25E-05	2.37E-04
3	2	75	74	14546.17	1	2263.38	4.4182	0.0400	0.0	0.0	0.0	3.24E-06	7.59E-05	5.73E-04
3	2	76	75	14618.89	1	2264.07	4.4168	0.0400	0.0	0.0	0.0	2.375-06	5.92E-05	4.67E-04
1	0	70	69	8746.33	2	2264.35	4.4163	0.0400	0.0	0.0	0 • 0	1 • 1 4E-05	_6•_62E-05	1.97E-04
1	0	39	38	2835.80	1	2264.46	4.4161	0.0400	1.23F~04	5.43E-02	3.32E-01	7.06E-01	9.97E-01	1.16E 00
3	2	77	76	15094.96	1	2264.72	4.4156_	0.0400	0.0	0.0	0.0	1.73E=06	4.61E-05	3.80E-04
2	1	53	52	7346.91	1	2264.95	4.4151	0.0400	0.0	2.96E-06	6.64E-04	8.58E-03	3.58E-02	8.54E-02
3	2	78	77	15374.38	1	2265.33	4.4144	0.0400	0.0	0.0	0.0	1.25E-06	3.57E-05	3.08E-04
1	0	71	70	8995.93	2	2265.37	4.4143	0.0400	0.0	0.0	0.0	8.57E-06	5.296-05	1.64F-04
3		102	101	23050.98	1	2265.54	4.4140	0.0400	0.0	0.0	0.0	0.0	0.0	8.72F-07
3	2	79	78	15657.13	1	2265.88	4.4133	0.0400	0.0	0.0	0.0	0.0	2.768-05	2.49E-04
3		101	100	22695.13	1	2266.09	4.4129		. 0.0	0.0	.o.o	_0.0	0.0	1.15E-06
1	٥	72	71	9248.86	2	2266.35	4.4124	0.0400	0.0	0.0	0.0	6.42F-06	4.21E-05	1.36E-04
3	2	80	79	15943.20	1	2266.39	4.4123	0.0400	0.0	0.0	0.0	0.0	2.12E-05_	
3	2	100	99	22342.30	1	2266.59	4.4119	0.0400	0.0	0.0	0.0	0.0	0.0	1.51E-06
5	1	54	53	7545.17	1	2266.66	4.4118	0.0400	0.0	1.875-06	4.94E-04	6.90F-03		7•43 <u>E</u> _02
1	٥	40	39	2984.30	1	2266.79	4.4115	0.0400	6.18E-05	3.91E-02	2.69E-01	6.07E-01	8.885-01	1.06E 00
3	2	81	80	16232.57	1	2266.86		0.0400 .	,0.0	.0.0	_0.0	0.0		1.61E-04
3	2	99	98	21992.52	1	2267.04	4.4110	0.0400	0.0	0.0	0.0	0.0	0.0	1.97E-06
3	2	82	81	16525,24	1	2267.27	4.4106	0.0400	0.0	0.0	0.0	0.0	1.25F-05	1.29E-04
1	0	73	72	9505.12	2	2267.28	4.4106	0.0400	0.0	0.0	0.0	4.79E-06	3.34E-05	1.13E-04
3	2	98	97	21645.80	1	2267.45	4.4102	0.0400	0.0	0.0	0.0	0.0	0.0	2.58E-06
3	2	83	82	16821.19	1	2267.64	4.4099	0.0400	0.0	0.0	0.0	0.0	9.50E-06	1.03E-04
3	2	97	96	21302.14	1	2267.80	4.4096	0.0400		0.0	0.0	_0.0	. 0.0	3.36F-06
3	2	84	83	17120.41	1	2267.97	4.4092	0.0400	0.0	0.0	0.0	0.0	7.22E-06	8.23E-05
3	2	96 74	95 73	20961.57	1	2268.10	4.4090	0.0400	0.0	0.0	0.0	0.0	0.0	4.37E-06
1	0		<i>6</i> 4	9764.71	2	2268.17	4.4088	0.0400	0.0	0.0	0.0	3.56F-06	2.64E-05	9.28E-05
3	2	.85	54 54	17422.89	1	2268.24	4.4087	0.0400	0.0	.0.0	_0.0	. 0.0	5.47E-06	_6.54E-05
2 3	1	55 95	94	7747.04	1	2268.33	4 4 4 0 8 5	0.0400	0.0	1.18E-06 0.0	3.645-04	5.53E-03	2.53E-02	6.45E-02
	2		-	20624.10	1	2268.36	4.4085	0400	0.0		_0.0	_0.0	0.0	5.66E-06
3 3	2	86 94	65 93	17728.62 20289.75	1	2268.47	4.4083 4.4081	0.0400 0.0400	0.0 0.0	0.0	0.0	0.0	4.13E-06	5 • 1 8E = 05
J	•	77	7-1	- NEO- 10	•	2268.56	444001	0.0400	V.V	.0.0	0.0	o.o	0.0	7.32E-06

٧u	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVF LENGTH	HALF Width	******	** INTEGRATE	ED ** ABSORE		EFFICIENT **	
				ENERGY		CM-1	MICRON	N2	T = 300	T ≕ 600	T = 900	T = 1200	T = 1500	T = 1800
3	2	87	86	18037.58	1	2268.65	4.4079	0.0400	0.0	0.0	0.0	0.0	7 115-06	4.105-05
3	2	93	92	19958.52	î	2268.72	4.4078	0.0400	0.0	0.0	0.0	0.0	3.11E-06	4.10E-05 9.44E-06
3	2	88	87	18349.76	1	2268.78	4.4077	0.0400	0.0	0.0			0.0	
3	2	92	91	19630.43	1	2268.83	4.4076	0.0400			0.0	0.0	2.33E-06	3.23E-05
3	2	85	88	18665.15	i	2268.86	4.4075	0.0400	0+0 0+0	0.0 0.0	0.0	0.0	0.0 1.74F-06	1.21E-05
3	2	91	90	19305.50	-	2268.89	4.4074	0.0400			0.0	0.0		2.545-05
3	2	90	89	18983.73	1	2268.90	4.4074	0.0400	0.0	0.0	0.0	0.0	0.0	1.56E-05
1	ō	75	74	10027.60	2	2269.02	4.4072	0.0400	0.0	0.0	0.0	0.0	1.30E-06	1.995-05
.1	ŏ	41	40	3136.53	1	2269.07	4.4071	0.0400	0.0 3.06E-05	0.0 2.78E-02	0.0 2.16E-01	2.63E-06 5.19F-01	2.08E-05	7.63E-05
ī	ŏ	76	75	10293.79	2	2269.82	4.4056	0.0400	0.0	0.0	0.0	1.94F-06	7.88E-01 1.64E-05	9.60E-01 6.25E-05
2	ĭ	56	55	7952.49	1	2269.95	4.4054	0.0400	0.0	0.0	2.67F-04	4.40E-03	2.12E-02	
ī	ö	77	76	10563.28		2270.58	4.4042	0.0400	0.0	0.0	0.0	1.425-06	1.285-05	5.58E-02 5.11E-05
1	ō	78	77	10836.05		2271.30	4.4028	0.0400	0.0	0.0	0.0	1.04F-06	1.00E-05	4.17F-05
1	ō	42	41	3292.48		2271.32	4.4027	0.0400	1.48F-05	1.96E-02	1.73E-01	4.42E-01	6.96E-01	8 69E-01
2	1	57	56	8161.53	1	2271.53	4.4023	0.0400	0.0	0.0	1.95E-04	3.49E-03	1.77E-02	4 81E-02
1	ō	79	78	11112.08		2271.98	4.4014	0.0400	0.0	0.0	0.0	0.0	7.78F-06	3-39E-05
ī	ō	80	79	11391.37		2272.61	4.4002	0.0400	0.0	0.0	0.0	0.0	6.03E-06	2.74E-05
2	1	58	57	8374.14		2273.07	4.3993	0.0400	0.0	0.0	1.41E-04	2.75F-03	1.475-02	4.13E-02
1	0	81	80	11673.92		2273.20	4.3991	0.0400	0.0	0.0	0.0	0.0	4.66E-06	2.22E-05
1	0	43	42	3452.15		2273.53	4.3984	0.0400	7.07E-06	1.37E-02	1.37F-01	3.74F-01	6.12F-01	7.85F-01
1	0	82	81	11959.70		2273.75	4.3980	0.0400	0.0	0.0	0.0	0.0	3.59F-06	1.79E-05
1	0	83	82	12248.70		2274.25	4.3971	0.0400	0.0	0.0	0.0	0.0	2.756-06	1.44E-05
2	1	59	58	8590.31	1	2274.56	4.3965	0.0400	0.0	0.0	1.02E-04	2.16E-03	1.22E-02	3.54E-02
1	0	84	83	12540.93	2	2274.71	4.3962	0.0400	0.0	0.0	0.0	0.0	2.11F-06	1 - 1 5E-05
1	G	85	84	12836.35		2275.12	4.3954	0.0400	0.0	0.0	0.0	0.0	1.61F-06	9.21E-06
1	0	86	85	13134.97	2	2275.49	4.3947	0.0400	0.0	0.0	0.0	0.0	1.22E-06	7.35E-06
1	0	44	43	3615.54	1	2275.69	4.3943	0.0400	3.31E-06	9.50E-03	1 . ORE -01	3.15F-01	5. 36E-01	7.06E-01
1	0	87	86	13436.77	2	2275.82	4.3940	0.0400	0.0	0.0	0.0	0.0	0.0	5.84F-06
2	1	60	59	8810,04	1	2276.01	4.3937	0.0400	0.0	0.0	7.309-05	1.69F-03	1.00E-02	3.02F-02
1	0	88	87	13741.75	2.	2276.10	4.3935	0.0400	0.0	0.0	0.0	0.0	0.0	4.63E-06
1	0	89	88	14049.87	2	2276.34	4.3930	0.0400	0 • C	0.0	0.0	0.0	0.0	3.66F-06
1	c	90	89	14361.15	2	2276.53	4.3927	0.0400	0.0	0.0	0.0	0.0	0.0	2.896-06
1	0	91	90	14675.56	2	2276.68	4.3924	0.0400	0.0	0.0	0.0	0.0	0.0	2.27E-06
1	0	92	91	14993.09	2	2276.78	4.3922	0.0400	0.0	0.0	0.0	0.0	0.0	1.78F-06
1	0	95	94	15964.29	2	2276.82	4.3921	0.0400	0.0	0.0	0.0	0.0	0.0	8.48E-07
1	0	93	92	15313.73		2276.84	4.3921	0.0400	0.0	0.0	0.0	0.0	0.0	1.40F-06
1	o	94	93	15637.47		2276.85	4.3920	0.0400	0.0	0.0	0.0	0.0	0.0	1.09E-06
2	1	61	60	9033.32		2277.41	4.3910	0.0400	0.0	0.0	5.20E-05	1.325-03	8.23E-03	2.58E-02
1	0	45	44	3782.62		2277.81	4.3902	0.0400	1.52E-06	6.526-03	8.49F-02	2.64E-01	4.68E-01	6.32E-01
2	1	62	61	9260.14		2278.77	4.3883	0.0400	0.0	0.0	3.68E-05	1.025-03	6.74F-03	2.19E-02
1	0	46	45	3953.41	1	2279.89	4.3862	0.0400	0.0	4.43E-03	6.61E-02	2.20E-01	4.07E-01	5.65E-01
2	1	63	62	9490.49		2280.09	4.3858	C.040C	0.0	0.0	2.59E-05	7.88E-04	5.49E-03	1.85E-02
2	1	64	63	9724.36		2281.36	4.3834	0.0400	0.0	0.0	1.81E-05	6.06E-04	4.46F-03	1.56E-02
1	0	47	46	4127.89		2281.93	4.3823	0.0400	0.0	2.98E-03	5.12E-02	1.83E-01	3.52E-01	5.03F-01
2	1	65	64	9961.74		2282.59	4.3810	0.0400	0.0	0.0	1.26E-05	4.63E-04	3.61E-03	1.31E-02
2	1	66	65	10202.62		2283.77	4.3787	0.0400	0.0	0.0	8.71E-06	3.53E-04	2.91E-03	1.105-02
1	0	48	47	4306.05		2283.93	4.3784	0.0400	0.0	1.996-03	3.93E-02	1.51E-01	3.03E-01	4.46E-01
2	1	67	66	10446.99		2284.91	4.3765	0.0400	0.0	0.0	5.99E-06	2.67E-04	2.34F~03	9-19E-03
1 2	0	49 68	48 67	4487.89		2285.89	4.3747	0.0400	0.0	1.31E-03	3.01E-02	1.24E-01	2-60E-01	3.94E-01
2	1	69	68	10694.85		2286.00	4.3745	0.0400	0.0	0.0	4.09E~06	2.02E-04	1.886-03	7.66E-03
1	ò	50	49	4673.40		2287.05	4.3724	0.0400	0.0	0.0	2.78E-06	1.51E-04	1.506-03	6.36E-03
2	í	70	69	11200.97		2287.8C 2288.05	4.3710 4.3705	0.0400	0.0	8.60E-04	2.28E-02	1.01E-01	2.23E-01	3.47E-01
•	-	,, •	~ 7	11500031	•	2200900	-+5 FV5	V. V. 400	0.0	0.0	1.88E-06	1.13E-04	1-19E-03	5.276-03

VU	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	*****	*** INTEGRATE	014.04			*****
				STATE .		NUMBER		, WIDTH.,	_' "					T = 1800
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	1 = 1000
									•		40 to WWW.			
2	1	71	70	11459.21	1	2289.01	4.3687	0.0400	0.0	0.0	1.265-06	8.44E-05	9.43E~04	4,35E-03_
1	ō	51	50	4862.58		2289.67	4.3674	0.0400	0.0	5.58E-04	1.72E-02	8.25F-02	1.90E-01	3.05E-01
2	1	72	71	11720.90	ī	2289.93	4.3669	0.0400	0.0	0.0	0.0	6.26E-05	7.45E-04	_,3.58E-03
2	i	73	72	11986.02		2290.79	4.3653	0.0400	0.0	0.0	0.0	4.62E-05	5.86E-04	2.94E-03
1	ò	52	51	5055.41	i	2291.50	4.3640	0.0400	0.0	3.59E-04_		6.69F-02	1.61E-01	2.67E-01
2	1	74	73	12254.55	1	2291.61	4.3637	0.0400	0.0	0.0	0.0	3.40E-05	4.59E-04	2.41E-03
	1	75	74	12526.50	i	2292.39	4.3623	0.0400	0.0	0.0	0.0	2.49E-05	3.59E-04	
2	_				_					0.0	0.0	0.0	0.0	9.01E-07
2	1	106		22582.21	1	2292.89	4.3613	0.0400	0.0		_ 2.2	_ 1.815-05	2.79E-04.	1.60F=03
2	-	76		12801.85		2293.12	4.3609	0.0400	0.0	Z.28E-04	9.63E-03	5.39E~02	1.36E-01	2+33E-01
1	0	53	52	5251.89	1	2293.28	4.3606	0.0400	0.0	0.0	0.0	0.0	0.0	1.20E-06
2		105		22210.73	1	2293.61	4.3599				0.0	1.31E-05	2.17E-04	1.306-03
2	1	77	76	13080.58	1	2293.80	4.3596	0.0400	0.0	0.0			0.0	1.60E-06
5		104		21842.26		2294.28	4.3587	0.0400	0.0	0.0	0.0	0.0		
2	1		77	13362.69	1	2294.44	4.3584	0.0400	0.0	0.0	0.0	9.50E-06	1.68E-04	1.056-03
2		103		21476,80		2294.89	4.3575	0.0400	0.0		O.eQ			- S*1 SE=06
1	0	54	53	5452.01	1	2295.03	4.3572	0.0400	0.0	1.44E-04	7.13E-03	4.33E-02	1-15E-01	2.02E-01
2	1	79	78	13648.17	1	2295.03	4.3572	0.0400	0.0	0.0	0.0	6.84E-06	1.29E-04	8.46E-04
2	1	102		21114.38	1	2295.46	4.3564	0.0400	0.0	0.0	0.0	0.0	0.0	2.81F-06
2	1	80	79	13937.00	1	2295.57	4.3562	0.0400	0.0	0.0	0.0	4.90E-06		6.80E-04
2	1	101		20755.00	1	2295.98	4.3554	0.0400	0.0	0.0	0.0	0.0	0.0	3.70E-06
2	1	81	80	14229.17	1	2296.07	4.3553	0.0400	0.0	0.0	0.0 ,.	3.50E-06	7.60E-05	5.46E-04
2		100	99	20398.68		2296.45	4.3545	0.0400	0+0	0.0	0.0	0.0	0.0	4.88E-06
2	1	82	81	14524.67		2296.52	4.3544	0.0400	0.0	0.0	0.0	2.48E-06	5.79E-05	4.36E-04
1	0	55	54	5655.77	1	2296.73	4.3540	0.0400	0.0	9.01E-05	5 • 25E-03	3.45E-02	9.61E-02	1.75E-01
2	1	99	98	20045.44	1	2296.87	4.3538	0.0400	0.0	0.0	0.0	0.0	0.0	6.40E-06
2	1	83	62	14823.48	1	2296.93	4.3536	0.0400	0.0	0.0	0.0	1.76F-06	4.41F-05	3.48E-04
2	1	98	97	19695.29	1	2297.23	4.3531	0.0400	0.0	. 0.0	0.0.	0.0	0.0	8.396-66
2	1	84	83	15125.61	1	2297.28	4.3530	0.0400	0+0	0.0	0.0	1.24E-06	3.34E-05	2.77E-04
2	1	97	96	19348.24	1	2297.55	4.3525	0.0400	0.0	0.0	0.0	0.0	0.0	1.10E-05
2	1	85	84	15431.03	1	2297.59	4.3524	0.0400	0.0	0.0	0.0	0.0	2.526-05	2-19E-04
2	1	96	95	19004.32	1	2297.82	4.3520	0.0400	0.0	.0.0	0.0	0.0	0.0	1.43E-05
2	ŧ	86	85	15739.73	1	2297.85	4.3519	0.0400	0.0	0.0	0.0	0.0	1.90E-05	1-74E-04
2	ı	95	94	18663.53	1	2298.05	4.3515	0.0400	0.0	0.0	. 0.0	0.0	1.27E-06	1,•86F-05
2	1	87	86	16051.69	1	2298.07	4.3515	0.0400	0.0	0.0	0.0	0.0	1.42E-05	1.375-04
2	1	94	93	18325.89	1	2298.22	4.3512	0.0400	0.0	0.0	0.0	0.0	1.74E-06	2.40E-05
2	1	88	87	16366.91	1	2298.23	4.3512	0.0400	0.0	0.0	0.0	0.0	1.06E-05	1.08E-04
2	1	93	92	17991.41	1	2298.34	4.3510	0.0400	0.0	0.0	0.0	0.0	2.37E-06	3-11F-05
2	1	89	88	16685.38	1	2298.35	4.3509	0.0400	0.0	0.0	0.0	0.0	7.93E-06	9.44E-05
i	0	56	55	5863.14	1	2298.38	4.3509	0.0400	0.0	5.59E-05	3.84E-03	2.75E-02	8.02F-02	1.51E-01
2	1	92	91	17660.10	1	2298.42	4.3508	0.0400	0.0	0.0	0.0	0.0	3.22E-06	4.01E-05
2	1	90	89	17007.07	1	2298.42	4.3508	0.0400	0.0	0.0	0.0	0.0	5.90E-06	6.60E-05
2	1	91	90	17331.98	1	2298.44	4.3508	0.0400	0.0	0.0	0.0	0.0	4.37E-06	5.15E-05
1	0	57	56	6074.14	1	2300.00	4.3478	0.0400	0.0	3.43E-05	2.79E-03	2.17E-02	6.68E-02	1.30E-01
t	0	50	57	6288.75	1	2301.57	4.3449	0.0400	0.0	2.09E-05	2.02E-03	1.71E-02	5.54E-02	1.12F-01
1	0	59	58	6506.95		2303.09	4.3420	0.0400	0.0	1.26E-05	1.456-03	1.34E-02	4.57E-02	9.56E-02
1	ō	60	59	6728.75		2304.57	4.3392	0.0400	0.0	7.54E-06	1.04E-03	1.0SE-02	3.76E-02	8.15E-02
1	ō	61	60	6954.12		2306.01	4.3365	0.0400	0.0	4.47E-06	7.35E-04	8.13E-03	3.09E-02	6.93E-02
ī	ō	62	61	7183.08	ī	2307.41	4.3339	0.0400	0.0	2.63E-06	5-18E-04	6.28E-03	2.52E-02	5.87E-02
1	Č	63	62	7415.60		2308.76	4.3313	0.0400	0.0	1.53E-06	3.64E-04	4.84E-03	2.05E-02	4.96E-02
1	ō	64	63	7651.67		2310.07	4.3289	0.0400	0.0	0.0	2.53E-04	3.71E-03	1.66E-02	4-18E-02
1	ō	65	64	7891.29	ī	2311.33	4.3265	0.0400	0.0	0.0	1.76E-04	2.83F-03	1.34E-02	3.51E-02
i	ō	66	65	8134.45		2312.54	4.3242	0.0400	0.0	0.0	1.21F-04	2-15E-03	1.08E-02	2.93E-02
ī	ŏ	67	66	8381.13		2313.72	4.3220	0.0400	0.0	0.0	8.296-05	1.62E-03	8.68E-03	2.45E-02
-	•	- '			-					-				_

νu	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORI CM-2*,		FFFICIENT *	*****
				ENERGY		CM+1	MICRON	NS	T = 300	T = 600	T = 900		T = 1500	T = 1800
1	0	68		0471 77		0314 04	4 3000							
i	0	69	67 68	8631.33 8885.04		2314.84	4.3200	0.0400	0.0	0.0	5.64E-05	1.22E-03	6.93E-03	2.04E-02
1	Ö	70	69	9142,25		2315.93	4.3179	0.0400	0.0	0.0	3.82E-05	9.15F-04	5.52E-03	1.69E-02
1	ő	71	70	9142.25		2316.97	4.3160	0.0400	0.0	0.0	2.57F-05	6.82F-04	4.38E-03	1.40E-02
i		72	71			2317.96	4.3141	0.0400	0.0	0.0	1.72E-05	5.07E-04	3.46E-03	1 - 1 5E-0 2
_	0			9667-11		2318.90	4.3124	0.0400	0.0	0.0	1.14E-05	3.756-04	2.73E-03	9.46E-03
1	0	73	72	9934.75		2319.81	4.3107	0.0400	0.0	0.0	7.57F-06	2.76E-04	2.14E-03	7.75E-03
1	0	74	73	10205.84		2320.66	4.3091	0.0400	0.0	0.0	4.98E-06	2.02E-04	1.67E-03	6.33F-03
1	0	109		21777.14		2320.66	4.3091	0.0400	0.0	ဂ္ေတ္	0.0	0.0	0.0	9.05F-07
1	0	75	74	10480.37		2321.47	4.3076	0.0400	0.0	0.0	3.26E-06	1.47E-04	1.31E-03	5.15E-03
1		108		21392.98		2321.50	4.3076	0.0400	0.0	0.0	0.0	0.0	0.0	1.22E-06
1		76	75	10758.35		2322.23	4.3062	0.0400	0.0	0.0	2.12E-06	1.076-04	1-01E-03	4.19E-03
1		107		21011.81		2322.28	4.3061	0.0400	0.0	0.0	0.0	0.0	0.0	1.64E-06
1			76	11039.74		2322.95	4.3049	0.0400	0.0	0.C	1.37E-06	7.75E-05	7.85E-04	3.39E-03
1		106		20633.65		2323.02	4.3047	0.0400	0.0	0.0	0.0	0.0	0.0	2.20E-06
1		78	77	11324.54		2323.62	4.3036	0.0400	0.0	0.0	0.0	5.59E-05	6.05E-04	2.74E-03
1		105		20258.50		2323.70	4.3035	0.0400	0.0	0.0	0.0	0.0	0.0	2.94E-06
1			78	11612.75		2324.25	4.3025	0.0400	0.0	0.6	0.0	4 • 0 1E-05	4.65E-04	2.20E-03
1	0	104		19886.39		2324.34	4.3023	0.0400	0.0	0.0	0.0	0.0	0.0	3.92E-06
1	C	80	79	11904.34	1	2324.83	4.3014	0.0400	0.0	0.0	0.0	2.86E-05	3.56E-04	1.77E-03
1	0	103	102	19517.34	1	2324.92	4.3012	0.0400	0.0	0.0	0.0	0.0	0.0	5.21E-06
1	0	81	80	12199.31	1	2325.36	4.3004	0.0400	0.0	0.0	0.0	2.04E-05	2.72E-04	1-41E-03
1	0	102	101	19151.35	1	2325.46	4.3002	0.0400	0.0	0.0	0.0	0.0	0.0	6.92E-06
1	0	82	81	12497.64	1	2325.84	4.2995	0.0400	0.0	0.0	0.0	1.44E-05	2.07E-04	1.13E-03
1	0	101	100	18788.44	1	2325.94	4.2993	0.0400	0.0	0.0	0.0	0.0	0.0	9.15E-06
1	0	83	82	12799.33	1	2326.28	4.2987	0.0400	0.0	0.0	0.0	1.02E-05	1.57E-04	8.98E-04
1	0	100	99	18428.62	1	2326.37	4.2985	0.0400	0.0	0.0	0.0	0.0	0.0	1.216-05
1	0	84	83	13104.36	1	2326.67	4.2980	0.0400	0.0	0.0	0.0	7-14E-06	1.19E-04	7.13E-04
1	0	99	98	18071.92	1	2326.76	4.2978	0.0400	0.0	0.0	` 0.0	0.0	1.20E-06	1.59E-05
1	0	85	84	13412.71	1	2327.01	4.2974	0.0400	0 • 0	0.0	0.0	5.00E-06	8.94E-05	5.64E-04
1	0	98	97	17718.34	1	2327.09	4.2972	0.0400	0.0	0.0	0.0	0.0	1.66E-06	2.09E-05
1	0	86	85	13724.39	1	2327.31	4.2968	6.0400	0.0	0.0	0.0	3.48E-06	6.716-05	4.45F-04
1	0	97	96	17367.91		2327.38	4.2967	0.0400	0.0	0.0	0.0	0.0	8.30E-06	2.74E-05
1	0	87	86	14039.36		2327.55	4.2964	0.0400	0.0	0.0	0.0	2.41E-06	5.025-05	3.50E-04
1	0	96	95	17020.62	1	2327.62	4.2962	0.0400	0.0	0.0	0.0	0.0	3.18F-06	3.57E-05
1	0	86	87	14357.63		2327.75	4.2960	0.0400	0.0	0.0	0.0	1.67E-06	3.74E-05	2.75E-04
1	0	95	94	16676.52		2327.80	4.2959	0.0400	0.0	0.0	0.0	0.0	4.38E-06	4.66E-05
1	ò	89	88	14679.17		2327.91	4.2957	0.0400	0.0	0.0	0.0	1.15E-06	2.78E-05	2.15E-04
1	ō	94	93	16335.59		2327.94	4.2956	C.0400	0.0	0.0	0.0	0.0	6.01F-06	
ī	ŏ	90	89	15003.98		2328.01	4.2955	0.0400	0.0	0.0	0.0	0.0	2.06E-05	6.05E-05 1.68E-04
ī	ŏ	93	92	15997.85	-	2328.03	4.2955	0.0400	0.0	9.0	0.0	0.0	8.21E-06	7.84F-05
ī	ō	92	91	15663.33		2328.07	4.2954	0.0400	0.0					-
i	ŏ	91	90	15332.04		2328.07	4 • 2954	C.0400	0.0	0.0	0.0	0.0	1.12F-05	1.01E-04
•	,		,,		•	COLORO	406334	0.0400	0.0	0.0	0.0	0.0	1.525-05	1.30E-04

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Table 5—First overtone band of CO, $T=300-1800\,^{\circ}K$. The total number of lines included is 3263. For temperatures less than $1800\,^{\circ}K$, the line intensities were set equal to zero for intensities less than approximately 1×10^{-8} . The line intensities correspond to an absorption coefficient per unit length per unit pressure at NTP conditions.

VU	٧Ł	Jt	JL	LCWER STATE	CODE	WAVE Numeer	WAVE LENGTH	HALF WIDTH				ABSCRPTION ** CM-2*ATM-1		4 1 1 1 mu
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T =	900 T = 120	00 T = 1500	T = 1800
e	€	8€	87	26018.06	1	3383.32	2.9557	0.0400	0.0	0.0	0.0	0.0	0.0	3.92E-09
7	5	91	92	25701.90	1	3385.57	2.9534	C.0400	0.0	0.0	0 • C	0.0	0.0	3.89E-09
€	4	5€	97	25467.79	1	3366.98	2.9525	0.040C	0.0	0.0	0.0	0.0	0.0	3.45E-09
9	7	ec	81	26133.74	1	3387.79	2.9518	0.0400	0.0	0.0	0.0	0.0	0.0	4.42E-09
10	8	74	75	26369.43	1	88.23EE	2.9500	0.0400	0.0	0.0	0.0	0.0	0.0	4.38E-09
9	€	6.2	86	25718.04	1	3392.41	2.9478	0.0400	0.0	0.0	0.0	0.0	0.0	4.94E-09
7	5	90	91	25383.46	1	3395.37	2.9452	C.0400	0.0	0.0	0.0	0.0	0.0	4.96E-09
5			101	24561.22		3396.41	2.9443	0.0400	0.0	0.0	0.0	0.0	0.0	3.51E-09
9	7	79	BC	25855.22	1	3396.50	2.9442	C.04CG	0.0	0.0	0.0	0.0	0.0	5.47E-09
6	4	95	96	25130.91	1	3396.70	2.9440	0.0400	0.0	0.0	0.0	0.0	0.0	4.48E-09
11	5	67	68	26488.41	1	3397.49	2.9433	0.040C	0.0	0.0	0.0	0.0	0.0	4.55E-09
10 8	8 6	73 84	74 85	26112.42	1	3398.20	2.9427	0.0400	0.0	0.0	0.0	0.0	0.0	5.32E-09
7	5	29	90	25068.06	1	3401.43	2.9359	0.0400	0.0	0.0	0.0	0.0	0.0	6.20E-09
4	2	_	105	24504.34	1	3404.72 3404.80	2.9371 2.9370	0.0400	0.0	0.0	0.0	0.0	0.0	6:32E-09
9	7	78	75	25579.82	1					0.0	0.0	0.0	0.0	3.07E-09
11	Ś	66	67	26256.09	i	3405.14 3405.36	2.9367 2.9365	0.0400	0.C 0.0	0.0	0.0	0.0	0.0 0.0	6.75E-09
6	4	54	95	24757.05	1	3406.36	2.9357	0.0400	0.0	0.0	0.0	0.0	0.0	5.41E-09
5	3		100	24608.89	1	3406.38	2.9357	0.0400	0.0	0.0	0.0	0.0	0.0	4.61E-09
10	ē	72	73	25858.57		3406.46	2.9356	0.0400	0.0	0.0	0.0	0.0	0.0	6.44E-05
ě	ě	83	84	25127.25	1	3410.40	2.9322	0.0400	0.0	0.0	0.0	0.0	0.0	7.78E-09
11	Š	65	66	26026.96		3413.17	2.9298	0.0400	0.0	0.0	0.0	0.0	- 0.0	6.42E-09
9	7	77	78	25307.56		3413.73	2.9293	0.0400	0.0	0.0	0.0	0.0	0.0	8.31E-09
7	5	33	89	24755.73	1	3414.C1	2.9251	C.0400	0.0	0.0	0.0	0.0	0.0	8.05E-09
10	8	71	72	25607.89	1	3414.66	2.9285	0.0400	0.0	0.0	0.0	0.0	0.0	7.785-09
4	ź	103	104	24136.54	_	3415.03	2.9262	0.0400	0.0	0.0	0.0	0.0	0.0	4-09E-09
6	4	93	94	24466.21	1	3415.97	2.9274	0.0400	0.0	0.0	0.0	0.0	0.0	7.47E-09
5	3	98	99	24259.57	1	3416.3C	2.9271	0.0400	0.0	0.0	0.0	0.0	0.0	6.04E-09
12	10	58	59	26359.85	1	3416.57	2.9269	0.0400	0.0	0.0	0.0	0.0	0.0	5.44E-09
8	6	82	23	24836.50	1	3419.32	2.9246	0.0400	0.0	0.0	0.0	0.0	0.0	9.72E-09
11	9	64	65	258C1.04	1	3420.92	2.9232	0.0400	0.0	0.0	0.0	0.0	0.0	7.595-09
9	7	7€	77	25038.44	1	3422.26	2.9220	0.0400	0.0	0.0	0.0	0.0	0.0	1.02E-08
3	1		108	23714.48	i	3422.65	2.9217	0.0400	0.0	0.0	0.0	0.0	0.0	2.89E-09
10	ε	7 C	71	25360.39	ł	3422.8C	2.921€	0.6400	0.0	0.0	0.0	0.0	0.0	9.37E-09
7	5	ę۶	88	24446.47		3423.24	2.9212	0.0400	0.0	0.0	0.0	0.0	0.0	1.02E-08
12	10	67	58	26157.68		3423.86	2.9207	0.0400	0.0	0.0	0.0	0.0	0.0	6.31E-09
4	5		103	23771.70		3425.21	2.9195	0.0400	0.0	0.0	0.0	0.0	0.0	5.43E-09
E	4	92	93	24138.43		3425.52	2.9153	0.040C	0.0	0.0	0.0	0.0	0.0	9.61E-09
5	2		98	23913.24		3426.17	2.9187	0.0400	0.0	0.0	0.0	0.0	0 • ú	7.89E-09
8	6	81	62	24548.88		3428.17	2.9170	0.0400	0.0	0.0	0.0	0.6	0.0	1.21E-08
11	9	63	64	25576.32		3428.61	2.9166	0.0400	0.0	0.0	0.0	0.0	0.0	8.94E-09
9	7		76	24772.47		3430.73	2.9148	0.0400	0.0	0.0	0.0	0.0	0.0	1.25E-08
10	9	65	70	25116.07		3430.89	2.9147	0.0400	0.0	0.0	0.0	0.0	0.0	1.13E-08
12	10	5€	57	25959.75		3431.09	2.9145	0.0400	0.0	0.0	0.0	0.0	0.0	7.29E-09
7	Ę	86 106	87	24140.31		3432.42	2.9134	0.040C	0.0	0.0	0.0	0.0	0.0	1.29E-08
3 6	1	91	92	23334.10		3433.08	2.9128	0.0400	C+O	0.0	0.0	0.0	0.0	3.89E-09
4	2		102	23409.84		3435.01 3435.33	2.9112	0.0400	0.0	0.0	0.0	0.0	0.0	1.236-06
5	3	96	97	23569.94		3435.98	2.91C9 2.91C4	0.0400	0.0	0.0	0.0	0.0	0.0	7.196-09
11	5	62	63	25358.84		3436.23	2.9104	0.0400	0.0 0.0	0.0	0.0	0.0	0.0 0.0	1.03E-08 1.05E-08
ě	6	80	81	24264.39		3436.97	2.9095	C.04GC	0.0	0.0	0.0	0.0	0.0	1.51E-08
12	10	55	56	25765.06		3438.25	2.9095	0.0400	0.0	0.0	0.0	0.0	0.0	8.40E-09
10	ε.	68	69	24574.95		3438.91	2.9079	0.0400	0.0	0.0	0.0	0.0	6.0	1.35E-00
	-	- •			-	•								

VU	٧L	Jt	JŁ	LCWER STATE	CODE	NAVE PSP4U/	WAVE Length	HALF Width	*****	** INTEGRAT		ABSORPTION ** CO	ĒFFICIENT *	
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	Υ =		T = 1500	T = 1800
ç	7		75	24509.67		3439.15	2.9077	0.0400	0.0	0.0	0.0	0.0	0.0	1.52E-08 .
7	5		86	23837.25		3441.54	2.9057	0.0400	0.0	0.0	0.0	0.0	0.0	1.64E-08
3		105		22556.67		3443.45	2.9041	0.0400	0.0	0.0	0.0	0.0	0.0	5.22E-09
11	5		62	25142.58		3443.80	2.9038	0.0400	0.0	0.0	0.0	c • 0	0.0	1 • 23 € − 08
6	4	90	91	23452.04		3444.45	2.9032	C.0400	0.0	0.0	0.0	0.0	0.0	1.58E-08
12	1 C		55	25573.64		3445.36	2.9025	0.0400	0.0	0.0	0.0	0.0	0.0	9.65E-09
4		100		23050.98		3445.35	2.9024	0.0400	0.0	0.0	0.0	0.0	0.0	9.50E-09
e	6	79	80	23983.04		3445.71	2.9022	0.0400	0.0	0.0	0.0	0 + 0	0 + 0	1.87E-08
5	3	95	96	23229.68		3445.73	2.9021	0-0400	0.0	0.0	Ö•0	0.0	0.0	1.34E-08
10	8		68	24637.04		3446.87	2.9C12	0.0400	0.0	0.0	0.0	0.0	0.0	1.61E-08
9	7		74	24250.05		3447.50	2.9007	0.0400	0.0	0.0	0.0	0.0	0.0	1.86E-08
2		109		22554.35	1	3450.56	2.8981	0.0400	0.0	0.0	0.0	0.0	0.0	2.43E-09
7	5	84	85	23537.30	1	3450.6¢	2.8980	0.0400	0+0	0 • C	0.0	0.0	0.0	2.06E-08
1.1	9	€¢	61	24929.57		3451.31	2.8575	0.0400	0.0	0.0	0.0	0.0	0 • 0	1.44E-08
12	1 C		54	25365.48		3452.40	2.8965	0.0400	0.0	0.0	0.0	0.0	0.0	1.11E-08
3		104		22582.21	1	3453.78	2.8954	C.0400	0.0	0.0	0.0	0.0	0.0	6.99E-09
E	4	85	90	23173.46	1	3453.84	2.8953	0.0400	0.0	0.0	0.0	0.0	0.0	S.02E-08
8	6	78	79	23704.85		3454.39	2.8949	0.0400	0.0	0.0	0.0	0.0	0.0	2.31E-08
1 C	Ε	€ €	67	24402.34	1	3454.78	2.8945	0.0400	C • O	0.0	0.0	0.0	0.0	1.92E-08
4	2		100	22695.13	1	3455.41	2.8940	0.0400	0.0	0.0	0.0	0.0	0.0	1.25E-08
5	3	94	95	22892.46	1	3455.43	2.8940	0.0400	0.0	0.0	0.0	_0.0	0.0	1.74E-08
9	7	72	72	23993.62		3455.8¢	2.8937	G. 040G	0.0	0.0	0.0	0.0	0.0	2.25E-08
11	9	55	60	24719.80	1	3456.76	2.8912	0.0400	0.0	0.0	0.0	0+0	0.0	1.685-08
12	10	52	53	25200.61	1	3459.38	2.8907	0.0400	0.0	0.0	0.0	0.0	0.0	1.26E-08
7	5	EB	84	2324C.48	1	3459.61	2.8905	0.0400	0.0	0.0	0.0	0.0	0.0	2.59E-08
2	٥	108		22164.27	1	3461.13	2.8892	0.0400	0.0	0.0	0.0	0.0	0.0	3.295-09
10	8	65	66	24170.88	1	3462.62	2.8880	0 = 040C	0.0	0.0	0.0	0.0	0.0	2.28E-08
8	6	77	78	23429.83	1	3463.02	2.8877	0.0400	0.0	0.0	0.0	0.0	0.0	2.85E-08
6	4	8.8	69	22657.99	1	3463.17	2.8875	0.0400	0.0	0.0	0.0	0-0	0.0	2.57E-08
9	7		72	23740.39		3464.03	2 + 8 8 6 8	0.0400	0.0	0.0	0.0	0.0	0.0	2.73E-08
3	1	103		22210.73	1	3464.04	2.8868	0.0400	0.0	0.0	0.0	0+0	0.0	9.33E-09
5	3	93	94	22558.31	1	3465.08	2.8859	0.0400	0.0	0.0	0.0	0.0	0.0	2.24E-08
4	2	98	99	22342.30	1	3465.36	2.8857	0.0400	0.0	0.0	0.0	0.0	0.0	1.64E-08
11	9	5€	59	24513.30	1	3466.14	2.8851	0.0400	0.0	0.0	0.0	0.0	0.0	1.96E-08
12	10	51	52	25019.01	1	0E.664E	2.8849	0.0400	0.0	0.0	0.0	0.0	0.0	1-44E-08
7	5	62	83	22546.81	1	3468.56	2.8830	0.0400	0.0	0.0	0.0	0.0	0.0	3.25E-08
10	e	64	65	23942.65	1	3470.41	2.8615	0.0400	0.0	0.0	0.0	0.0	0.0	2.70E-08
9	6	76	77	23157.98	1	3471.59	2.8805	0.0400	0.0	0.0	0.0	0+0	0.0	3.51E-08
2		1 C 7		21777.14	1	3471.65	2 +8 E C 5	0.0400	0.0	0.0	0.0	/ O • O	0.0	4.45E-09
9	7	7 C	71	23490.38	1	3472.21	2.8eco	G-040C	0.0	0.0	0.0	0.0	0.0	3.29E-08
E	4	87	86	22545.62	1	3472.44	2.8798	0.0400	0.0	0.0	0.0	0.0	0.0	3.28E-08
12	10	50	51	24840.71	ı	3473.16	2.8792	C.0400	0.0	0.0	0.0	0.0	0.0	1.63E-08
11	9	57	58	24310.07	1	3473.47	2.8790	0.0400	0.0	0.0	0.0	0.0	0.0	2.275-08
3		102		21842,26	1	3474.26	2.8783	C+0400	C.O	0.0	0.0	0.0	0.0	1.24E-08
5	3	92	93	22227.24	1	3474.67	2.8780	0.0400	0.0	0.0	0.0	0.0	0.0	2.90E-08
4	2	97	98	21992.52	1	3475.27	2.8775	0.0400	0.0	0.0	0.0	0.0	0.0	2-16E-08
7	5	e 1	82	22656.29	1	3477.45	2.8757	0.040C	0.0	0.0	0.0	0.0	0.0	4.06E-08
10	8	63	64	23717.67	1	3478.13	2.8751	0.0400	0.0	0.0	0.0	0.0	0.0	3.198-08
12	10	49	50	24665.70	1	3479.96	2.8736	0.0400	0.0	0.0	0.0	0.0	0.0	1.85E-08
8	6	75	76	22889.33	1	3480.09	2.8735	0.0400	0.0	0.0	0.0	0.0	0.0	4.30E-08
9	7	69	70	23243.58	1	3480.33	2.8733	0.0400	0.0	0.0	0.0	0.0	0.0	3.96E-08
1 1	9	5€	57	24110.11	1	3480.73	2.8730	0.0400	0.0	0.0	``o.a	0.0	0.0	2.63E-08
6	4	ec	87	22236.39	1	3481.65	2.8722	0.0400	0.0	0.0	0.0	0.0	0.0	4-16E-08

VU	٧L	JU	٦Ļ	LGWER State	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	*****	** INTECRAT		ORPTION ** CO 2*AT#~1	EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900		T = 1500	T = 1800
2	٥	106	107	21392.98	1	3482.12	2.8718	0.0400	0.0	0.0	0.0	0.0	0.0	6.00E-09
5	3	91	92	21899.26	i	3484.20	2.8701	0.0400	0.0	0.0	0.0	0.0	0.0	3.73E-08
3		101		21476.80	ì	3484.41	2.8659	0.0400	0.0	0.0	0.0	0.0	0.0	1.652-08
4	2	96	97	21645.80	1	3485.11	2.8693	0.040C	0.0	0.0	0.0	0.0	0.0	2.82E-08
10	ε	€ź	63	23495.95	1	3485.8C	2.8688	0.0400	0.0	0.0	0.0	0.0	0.0	3.76E-08
7	5	eo	81	22368.93		3486.25	2.8684	0.0400	0.0	0.0	0.0	0.0	0.0	5.06E-08
6	4	75	80	15482.71	2	3466.65	2.8680	0.0400	0.0	0.0	0 • C	0.0	0.0	3.68E-09
12	10	48	49	24494.01	1	3486.69	2.8680	0.0400	0.0	0.0	0.0	0.0	0.0	2.08E-08
11	9	55	56	23913.44	1	3487.93	2.867C	0.0400	0.0	0.0	0.0	0.0	0.0	3.03E-08
S	7	68	69	23000.01	1	3488.39	2.8667	0.0400	0.0	0.0	0.0	0.0	0.0	4.76E-08
8	6	74	75	22623.88		3488.54	2.8665	C-040C	0.0	0.0	0.0	0.0	0.0	5.27E-08
E	4	88		21930.29		3490.81	2.8647	0.040C	0.0	0.0	0.0	0.0	0.0	5.27E-08
۰5	3	84	85	16566.68		3491.84	2.8638	0.0400	0.0	0.0	0.0	0.0	0.0	3.74E-09
2	0		106	21011.81	1	3492.53	2.8633	0.0400	0.0	0.0	0.0	0.0	0.0	8.086-08
12	10	47	48	24325.62		3493.36	2.8626	0.0400	0.0	0.0	0.0	0.0	0.0	2.34E-08
10	3	61	62	23277.50		3493.40	2.8625	0.0400	C+0	0.0	0.0	0.0	0.0	4.41E-08
5	3	90	91	21574.38		3493.68	2.8623	0.0400	0.0	0.0	0.0	0.0	0.0	4.78E-08
3		100		21114.38		3494.52	2.8616	0.0400	0.0	0.0	0.0	0.0	0.0	2.195-08
4	2	95	96	21302.14	1	3494.91	2.8613	0.0400	0.0	0.0	0.0	0.0	0.0	3.676-08
€ 7	5	7 E 7 S	79 80	19210.62		3494.97 3495.06	2.8613	0.0400	0.0	0.0	0.0	0.0	0.0	4.536-09
11	5	54	55	23720.06	1	3495.07	2.8612 2.8612	0.0488 0.0480	0-0 0-0	0.0	0.0	0.0 0.0	0.0	6.29E-08 3.49E-08
4	ž	29	90	18574.52		3495.44	2.8609	0.0400	0.0	0.0	0.0	0.0	0.0	3.49E-08
7	5	72	73	19550.86		3495.85	2.8605	0.0400	0.0	0.0	0.0	0.0	0.0	4.62E-09
Š	7	67	68	22759.69		3496.39	2.8601	0.0400	0.0	0.0	0.0	0.0	0.0	5.69E-08
é	6	73	74	22361.64		3496.94	2.8596	0.0400	0.0	0.0	0.0	0.0	0.0	6.42E-08
ē	4	84	85	21627.34		3499.91	2.8572	0.0400	0.0	0.0	0.0	0.0	0.0	6.66E-08
12	10	4 €	47	24160.56		3499.97	2.8572	0.0400	0.0	0.0	0.0	0.0	0.0	2.635-08
5	3	58	84	18698.40		3500.43	2.8568	0.0400	0.0	0.0	0.0	0.0	0.0	4.68E-09
1 C	8	60	61	23062.32		3500.94	2.8564	0.0400	0.0	0.0	0.0	0+0	0.0	5.17E-08
8	6	65	66	19761.77		3501.94	2.8556	0.0400	0.0	0.0	8.0	0.0	0.0	4.79E-09
11	9	53	54	23529.98	1	3502.15	2.8554	0.0400	0.0	C.O	0.0	0.0	0.0	4.01E-08
2	C	104	105	20633.65	1	3502.89	2.8548	0.0400	0.0	0.0	0.0	0.0	0.0	1.085-08
5	3	23	9 C	21252.63	1	3503.10	2.8546	0.0466	0.0	0.0	0.0	0.0	0.0	6.12E-08
6	4		78	18941.66	2	3503.19	2.8545	0.0400	0.0	0.0	0.0	C∗Õ	0.0	5.56E-09
7	5	71	72	19303.21		3503.70	2.8541	0.0400	0.0	0.0	0.0	0.0	0.0	5.57E-09
7	5	78	79	21803.77		3503.78	2.8541	0.0400	0.0	0.0	0.0	0.0	0.0	7.79E-08
4	2		89	18265.99		3504.32	2.8536	0.0400	0.0	0.0	0.0	0.0	0.0	4.06E-09
9	7		67	22522.63		3504.33	2.8536	0.0400	0.0	0.0	0.0	0.0	0.0	6.80E-08
3	1	99	100	20755.00		3504.57	2.8534	0.0400	0.0	0.0	0.0	0.0	0.0	2.89E-08
4	2	94	95	20961.57		3504.64	2.8534	0.0400	0.0	0.0	0.0	0.0	0.0	4.78E-08
8	6	72	73	22102.62		3505.27	2.8528	C • 0400	0.0	0.0	0.0	0.0	0.0	7.82E-08
12	10	45	46	23998.83		3506.51	2.8518	0.0400	0.0	0.0	0.0	0.0	0.0	2.94E-08
10	8	59 83	60 84	22850.43		3508.43	2.8503	0.0400	0.0	0.0	0.0	0.0	0.0	6.04E-08
€ 5	3	82	83	21327,55		3508.95 3508.95	2+8499 2+8499	C.040C O.0400	0.0	0.0	0.0	0.0	0.0	8.39E-08
11	9		53	23343.22		3509.17	2.8499 2.8497	0.0400	0.0	0.0	0.0	0.0	0.0	5.83E-09
8	6		65	19558.57		3509.17	2.8495	0.0400	0.0	0.0 0.0	0.0	0.0	0.0	4.58E-08 5.65E-09
é	4	76	77	18675.82		3511.36	2.8479	0.040C	0.0	0.0	0.0	0.0	0.0	6.81E-09
7	5		71	19058.71		3511.51	2.8478	0.0400	0.0	0.0	0.0	0.0	0.0	6.69E-09
ç	7		66	22288.82		3512.21	2.8472	0.0460	0.0	0.0	0.0	0.0	0.0	8.09E-08
7	5		78	21525.99		3512.45	2.8470	0.0400	0.0	0.0	0.0	0.0	0.0	9.63E-08
5	3			20934.01		3512.4€	2.8470	0.0400	0.0	0.0	0.0	0.0	0.0	7.84E-08
		•							•	•		-		

VU	٧L	. Jū	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR	PTION ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 000	T = 1200	T = 1500	T = 1800
12	10	44	45	23840.43	1	3513.00	2.8466	0.0400	0.0	0.0	0.0	0.0	0.0	3-27E-08
- 4		87	88	17960.53		3513.15	2.8464	0.0400	0.0	0.0	0.0	0.0	0.0	5.14E-09
2	č	103	104	20258.50		3513.19	2.8464	0.0400	0.0	0.0	0.0	0.0	0.0	1.45E-08
٠ 8	6	71	72	21846.84		3513.54	2.8461	0.0400	0.0	0.0	0.0	0.0	0.0	9.48E-08
4	2	93	94	20624.10		3514.33	2.8455	0.0400	0.0	0.0	0.0	0.0	0.0	6.20E-08
3	1	98	99	20398.68		3514.5€	2.8453	0.040C	0.0	0.0	0.0	0.0	0.0	3.81E-08
3	1	92	93	17590.57	2	3515.80	2.8443	0.0400	0.0	0.0	0.0	0.0	0.0	3.54E-09
10	8	58	59	22641.83	1	3515.85	2.8443	0.0400	0.0	0.0	0.0	0.0	0.0	7.04E-08
1,1	9	51	52	23159.78	1	3516.13	2.8440	0.0400	0.0	0.0	0.0	_0.0	0.0	5.23E-08
è	6	63	64	19338.57	2	3516.75	2.8435	0.0400	0.0	0.0	o.č	0.0	0.0	6.65E-09
5	3	e 1	82	18127.12	2	3517.43	2.8430	0.0400	0.0	0.0	0.0	0.0	0.0	7.26E-09
6	4	82	E3	2103C.94	1	3517.94	2.8426	0.0400	0.0	0.0	0.0	0.0	0.0	1.056-07
9	7	56	57	19779.64	2	3518.88	2.8418	0.0400	0.0	0.0	0.0	0.0	0.0	5.55E-09
7	5	69	70	18817.38	2	3519.25	2.8415	0.0400	0.0	0.0	0.0	0.0	0.0	8.02E-09
12	10	43	44	23665.38	1	3519.42	2.8414	0.0400	0.0	0.0	0.0	0.0	0.0	3.64E-08
Ę	4	75	76	18413.12	2	3519.47	2.8413	0.0400	0.0	0.0	0.0	0.0	0.0	8.31E-09
9	7	64	65	22058.29	1	E0.058E	2.8409	0.0400	0.0	0.0	0.0	0.0	0.0	9.60E-08
7	5	76	77	21251.42	1	3521.05	2.8401	0.0400	0.0	0.0	0.0	0.0	0.0	1.19E-07
8	6	70	71	21594.31	1	3521.76	2.8395	0.0400	0.0	0.0	0.0	0.0	0.0	1 • 1 55,-07
5	3	27	88	20618.54	1	3521.77	2.8395	0.0400	0.0	0.0	0.0	0.0	0.0	1.00E-07
_ 4	2	€6	87	17658.15	2	3521.93	2.8394	0.0400	0.0	0.0	0.0	0.0	0.0	6.49E-09
11	9	50	51	22979.66		3523.02	2.8365	0.0400	0.0	0.0	0.0	0.0	0.0	5.94E-08
10	8	57	58	22436.54	1	3523.21	2.8383	0.0400	0.0	0.0	0.0	0.0	0.0	8.19E-08
2	0		103	19866.39	1	3523.44	2.8381	0.0400	0.0	0.0	0.0	0.0	0.0	1.94E-08
4	2	92	93	20289.75	1	3523.95	2.8377	0.0400	0.0	0.0	0.0	0.0	0.0	8.02E~08
e	6	62	63	19121.76		3524.07	2.8376	0.0400	0.0	0.0	0.0	0.0	0.0	7.80E-09
3	1	97	98	20045.44	1	3524.5C	2.8373	0.8400	0.0	0.0	0.0	0.0	0.0	5.00E-08
3	1	91	92	17269.87		3524.88	2.8370	0+0400	0.0	0.0	0.0	0.0	0.0	4.53E-09
9	7	55	56	15567.32		3525.76	2.8363	0.0400	0.0	0.0	0.0	0.0	0.0	6.38E-09
12	10	42	43	23533.68		3525.77	2.8363	0.0400	0.0	0.0	0.0	0.0	0.0	4.03E-08
5	3	80	81	17846.16		3525.65	2.8362	0.0400	0.0	0.0	0.0	0.0	0.0	9.00E-09
6	4	81	82	20737.52		3526.87	2.8354	0.0400	0.0	0.0	0.0	0.0	0.0	1.32E-07
7	5	68	69	18579.22		3526.95	2.8353	0.0400	0.0	0.0	0.0	0.0	0.0	9.59E-09
6	4	74	75	18153.57		3527.53	2.8348	0.0400	0.0	0.0	0.0	0.0	0.0	1.01E-08
9 7	7	63 75	64 76	21831.04	1	3527.80	2.8346	0.0400	0.0	0.0	0.0	0.0	0.0	1.14E-07
11	9	45		20950.08		3529.59	2.8332	0.0400	0.0	0.0	0.0	0.0	0.0	1.46E-07
8	6	65	50 70	228C2.87 21345.04	1 1	3529.85	2.8330 2.8329	6.0400	0.0	0.0	0.0	0.0	0.0	6.74E-08
10	ε	56	57	22234.55		3529.91 3530.51	2.8325	0.0400 0.0400	0.0	0.0	0.0	0.0	0.0	1.38E-07
4	2	85	86	17358.87		3530.65	2.8323	0.0400	0.0	0.0 0.0	0.0	0.0	0.0	9.50E-08
5	3	86	87	20306.23	1	3531.02	2.8323	0.0400	0.0	0.0	0.0	0.0	0.0	8.18E-09
ě	6	61	62	18908.16		3531.34	2.8318	0.0400	0.0	0.0	0.0	0.0	0 • 0 0 • 0	1.27E-07 9.12E-09
12	10	41	42	23385.33	1	3532.07	2.8312	0.0400	0.0	0.0	0.0	0.0	0.0	4.44E-08
9	7	54	55	19398.23	2	3532.59	2.8308	0.0400	0.0	0.0	0.0	0.0	0.0	7.32E-09
4	2	91	92	19958.52	1	3533.52	2.8300	C+0400	0.0	0.0	0.0	0.0	0.0	1.04E-07
2				19517.34	ì	3533.64	2.8299	0.0400	0.0	0.0	0.0	0.0	0.0	2.58E~08
3	1	90	91	16952.23		3533.90	2.8297	0.0400	0.0	0.0	0.0	0.0	0.0	5.79E-09
5	ŝ	79	éo	17568.32	2	3534.21	2.8255	0.0400	0.0	0.0	0.0	0.0	0.0	1.11E-08
3	ĩ	96	97	19695.29	ī	3534.39	2.8293	0.0400	0.0	0.0	0.0	0.0	0.0	6.56E-08
7	5	67	68	18344.26	2	3534.5€	2.8292	0.0400	0.0	0.0	0.0	0.0	0.0	1.14E-08
9	7	62	63	21607.08	ī	3535.50	2.8285	0.0400	0.0	0.0	0.0	0.0	0.0	1.34E-07
6	4	73	74	17897.18	2	3535.53	2.8284	0.0400	0.0	ó.o	0.0	0.0	0.0	1.23E-08
6	4	80	81	20447.30		3535.74	2.8283	0.0400	0.0	0.0	0.0	0.0	0.0	1.65E~07
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VU	VL	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE Length	HALF _ WIDTH	*****	** INTEGRAT		OFPTION ** CO	FFICIENT **	*****
				ENERGY		CM1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	_					7576 68	0.0074							
11 10	9 8	48 55	49 56	22629.43		3536.62 3537.75	2•8276 2•8267	0.0400	Ç.O	0.0	0.0	0.0	0.0	7.61E-08
8	6	68	69	21099.03				C.040C	0.0	0.0	0.0	0.0	0.0	1.10E-07
7	5	74	75	20711.97		3538.01 3538.0e	2.8264 2.8264	0.0400 0.0400	0.0	0.0	0.0	0.0	0.0	1.66E-07
12	10	40	41	23240.34	1	3538.29	2.8262	0.0400	0.0	0.0	0.0	0.0	0.0	1.795-07
5		έC	61	18697.77		3538.54	2.8260	0.0400	0.0	0.0	0.0	0.0	0.0	4.89E-08
4	2	24	85	17062.69		3539.32	2.8254	0.0400	0.0	0.0	0.0	0.0	0.0	1.06E-08 1.03E-08
9	7	53	54	19212.38		3539.37	2.8254	0.0400		0.0		0.0 0.0		8.37E-09
5	2	8.5	86	19997.09		3540.22	2.8247	0.0400	0.0	0.0	0.0	0.0	0.0	1.62E-07
7	5	6€	67	18112.48		3542.16	2.8231	0.0400	0.0	0.0	0.0	0.0	0.0	1.36E-08
	3	78	79	17293.62		3542.52	2.8228	0.0400	0.0	0.0	0.0	0.0	0.0	1.37E-08
3	ī	és	90	16637.68		3542.87	2.8226	0.0400	0.0	0.0	0.0	0.0	0.0	7.36E-09
4	2	90	91	19630.43		3543.03	2.8224	0.0400	0.0	0.0	0.0	0.0	0.0	1.33E-07
ç	7	<i>6</i> 1	62	21366.43		3543.14	2.8224	0.0400	0.0	0.0	0.0	0.0	0.C	1.58E-07
11	9	47	48	22459.34		3543.33	2.8222	0.0400	0.0	0.0	0.0	0.0	0.0	8.57E-08
6	4	72	73	17643.96		3543.48	2.8221	0.0400	0.0	0.0	0.0	0.0	0.0	1.49E-08
z	ō		101	19151.35		3543.78	2.8216	0.0400	0.0	0.0	0.0	0.0	0.0	3.43E-08
3	1	55	96	19348.24		3544.22	2.8215	0.040C	0.0	0.0	0.0	0.0	0.0	8.58E-08
12	10	39	40	23098.72		3544.46	2.8213	0.0400	0.0	0.0	0.0	0.0	0.0	5.36E-08
€	4	75	80	20160.30		3544.56	2.8212	0.0400	0.0	0.0	0.0	0.0	1.08E-08	2.05E-07
2	C	54	95	16254.18		3544.88	2.8210	0.0400	0.0	0.0	0.0	0.0	0.0	3.33E-09
10	е	54	55	21840.56		3544.93	2.8209	0.0400	0.0	0.0	0.0	0.0	0.0	1.27E-07
8	6	55	60	18490.61		3545.69	E028.S	0.0400	0.0	0.0	0.0	0.0	0.0	1.24E-08
8	Æ	67	68	20856.30		3546.05	2.8200	0.0400	0.0	0.0	0.0	0.0	0.0	2.00E-07
9	7	52	53	19029.77	2	3546.08	2.8200	0.0400	0.0	0.0	0.0	0.0	0.0	9.55E-09
7	5	73	74	20447.11	1	3546.51	2.8197	0.04CC	0.0	0.0	0.0	0.0	1.095-08	2.19E-07
4	2	23	84	16769.63	2	3547.94	2.8185	0.0400	0.0	0.0	0.0	0.0	0.0	1.29E-08
5	3	84	85	19691.13	1	3549.35	2.8174	0.0400	0.0	0.0	0.0	0 • 0	1.165-08	2.05E-07
7	5	65	66	17883.92	2	3549.68	2.8172	0.0400	0.0	0.0	0.0	0.0	0.0	1.61E-08
11	ç	4€	47	22292.60	1	3549.97	2.8169	0.0400	0.0	0.0	0.0	0.0	0.0	9.63E-08
12	10	36	39	22960.48	1	3550.56	2.8165	0.040C	0.0	0.C	0.0	0.0	0.0	5.85E-08
9	۱7	€0	61	21169.09		3550.72	2.8163	0.040C	0.0	C.O	0.0	0.0	0.0	1.85E-07
5	3	77	78	17022.07	2	3550.78	2.8163	0.0400	0.0	0.0	0.0	0.0	0.0	1.69E-08
€	4	71	72	17393.93		3551.37	2.8158	C.04GG	0.0	0.0	0.0	0.0	0.0	1.80E-08
3	1	6.6	89	16326.21		3551.79	2.8155	0.0400	0.0	0.0	0.0	0.0	0.0	9.37E-09
10	8	53	54	21648.56		3552.04	2.8153	0.0400	0+0	0.0	0.0	0.0	0.0	1.45E-07
4	2	89	90	19305.50		3552.49	2.8149	0.0400	0.0	0.0	0.0	0 • 0	1.03E-08	1.71E-07
9	7	5 1	52	18850.42		3552.73	2.8147	0.0400	0.0	0.0	0.0	0.0	0.0	1.09E-08
e	6	58	59	18266.68		3552.78	2.8147	0.0400	0.0	0.0	0.0	0.0	0.0	1.44E-08
6	4	78	79,	19876.52		3553.31	2.8143	0.0400	0.0	0.0	0.0	0.0	1.40E-08	2.55E-07
2	C		100	18788.44		3553.87	2.8138	0.0400	0.0	0.0	0.0	0.0	0.0	4.55E-08
3	1	94	95	19004.32		3553.99	2+8137	0.0400	0.0	0.0	0.0	0.0	0.0	1.12E-07
e	6	66	67	20616.86		3554.02	2.8137	0.0400	0.0	0.0	0.0	0.0	1.166-06	2.39E-07
2	C	93	94	15964.29		3554.10	2.8137	0.0400	0.0	0.0	0.0	0.0	0.0	4.29E-09
7	5	72	73	20185.51		3554.88	2.8130	0.040C	0.0	0.0	0.0	0.0	1.396-08	2.67E-07
4	2	82	63	16475.69		3556.5C	2.8118	0.0400	C.O	0.0	0.0	0.0	0.0	1.61E-08
11	9	45	46	22129.23		3556.55	2.8117	0.0480	0.0	0.0	0.0	0.0	0.0	1.086-07
12	10	27	38	22825.61		3556.60	2.8117	0.0400	0.0	0.0	0.0	0.0	0.0	6.37E-08
7	\$ 7	64	65	17658.56		3557.15	2.8112	0.0400	0.0	0.0	0.0	0.0	0.0	1.906-08
9 5	3	59 83	60 84	20955.06		3558.24	2.8104	0.0400	0.0	0.0	0.0	0.0	0.0	2.17E-07
5	3	7 E	77	16753.69		3558.43 3558.98	2.81C2 2.8098	0.0400	0.0	0.0	0.0	0.0	1.53E-08	2.59E-07
10	ε	52	53	21459.91		3559.1C	2.8097	C.040C	0.0	0.0	0.0	0.0 0.0	0.0	2.07E-08
. 0	-				•	3329016	2.0077	0.0400	V.U	0.0	U + U	0.0	0.0	1.67E-07

VU	٧L	JL	JŁ	LONER STATE	CODE	NUMBER	WAVE LENGTH	HALF _width	******	*** INTËGRAÎ		RPTICN ** CC	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	, NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
6	4	7 G	71	17147.08		3559.21	2.8096	0.0400	0.0	0.0	0.0	0.0	0.0	2•17E-08
9	7	50	51	16674.34	2	3559.33	2.8095	0.0400	0.0	0.0	0.0	0.0	0.0	1.23E-08
3	6	57	58	18085.99	2	3559.82	2.8091	0 • 0 4 0 C	0.0	0.0	_0.0	0.0	0.0	1.67E-08
3	1	87	ee	16017.84	2	3560.65	2.8085	C.0400	0.0	0.0	0.0	0.0	0.0	1-19E-08
4	2	88	89	18983.73	1	3561.89	2.8075	0.0400	0.0	0.0	0.0	0.0	1.39E-08	2.19E-07
8	6	6€	66	20380.71	1	3561.94	2.8075	0.0400	0.0	0.0	0.0	0.0	1.44E-08	2.85E-07
E	4	77	78	19595.97	1	3562.01	2.8074	0.0400	0.0	0.0	0.0	0.0	1.81E-08	3-16E-07
12	10	36	37	22694.13	1	3562.57	2.8070	0.0400	0.0	0.0	0.0	~~a•o	0.0	6.92E-08
11	5	44	45	21969.23	1	3563.07	2.8066	0.0400	0.0	0.0	0.0	0.0	0.0	1.20E-07
7	5	71	72	19927.18	1	3563.19	2.8065	0.0400	0.0	0.0	0.0	0.0	1.76E-08	3.25E-07
2	C	92	93	16637.47	2	3563.26	2.8064	0.0400	0.0	0.0	C • O	0.0	0.0	5.52E-09
3	1	93	94	16663.53	1 -	3563.71	2.8061	0.0400	0.0	0.0	0.0	0.0	0.0	1.46E-07
2	0	56	99	18428.62	1	3563.90	2.8059	0.040C	0.0	0.0	0.0	0.0	0.0	6.01E-08
7	5	63	64	17436.43	2	3564.56	2.8054	0.0400	0.0	0.0	0.0	0.0	0.0	2.24E-08
4	2	e 1	82	16152.90	2	3565.01	2.8050	0.0400	0.0	0.0	0.0	0.0	0.0	2.01E-08
9	7	56	59	20744.37	1	3565.69	2.8045	0.0400	0.0	0.0	"o.o	0.0	1.21E-08	2.53E-07
9	7	45	5C	18501.51	2	3565.87	2.8C44	0.0400	0.0	0.0	0.0	0.0	0.0	1.39E-08
10	9	51	52	21274.62	1	3566.09	2.8042	0.0400	0.0	0.0	0.0	0.0	0.0	1.90E-07
8	6	56	57	17888.55	2	3566.8C	2.8036	0.0400.	0.0	0.0	0.0	0.0	0.0	1.93E-08
6	4	65	7 C	16903.43	2	3566.99	2.8035	0.0400	0.0	0.0	~o.o	0.0	0.0	2.60E-08
5	3	75	76	16488.47	2	3567.13	2.8034	0.0400	0.0	0.0	0.0	0.0	0.0	2.54E-08
£	3	82	83	19028.83	1	3567.46	2.8031	0.0400	0.0	0.0	0.0	0.0	2.025-08	3.26E-07
12	10	36	36	22566.05	1	3568.48	2.8023	0.0400	0.0	0.0	0.0	0.0	0.0	7.48E-08
3	1	86	87	15712.59	2	3569.46	2.8015	0.0400	0.0	0.0	0.0	0.0	0.0	1.51E-08
11	ç	43	44	21615.90	1	3569.53	2.8015	0.0400	0.0	0.0	0.0	0.0	0.0	1.34E-07
8	6	64	65	20147.87	1	3569.80	2.8013	0.0400	0.0	0.0	0.0	0.0	1.78E-08	3-39E-07
€	4	76	77	19318.68	1	3570.65	2.8006	0.0400	0.0	0.0	0.0	0.0	2.34E-08	3.91E-07
4	5	87	88	18665.15	1	3571.24	2.8001	0.0400	0.0	0.0	0.0	0.0	1.87E-08	2.818-07
7	5	70	71	19672.14	1	3571.44	2.8000	0.0400	0.0	0.0	0.0	0.0	2.23E-08	3.93E-07
7	5	€2	63	17217.54	2	3571.92	2.7996	0.0400	0.0	0.0	0.0	0.0	0.0	2.64E-08
9	7	48	49	18331.96	2	3572.35	2.7993	0.0400	0.0	0.0	0.0	0.0	0.0	1.57E-08
2	O	91	92	15313.73	2	3572.3 7	2.7993	0.0400	0.0	0.0	0.0	0.0	0.0	7.08E-09
10	8	50	51	21092.69	1	3573.02	2.7988	0.0400	0.0	0.0	0.0	0.0	0.0	2.17E-07
9	7	57	58	20537.02	1	3573.09	2.7987	0.0400	0.0	0.0	0.0	0.0	1.45E-08	2.95E-07
3	1	52	93	18325.89	1	3573.37	2.7985	0.0400	0.0	0.0	0.0	0.0	1.32E-08	1.89E-07
4	2	80	81	15909.25	2	3573.46	2.7984	0.0400	0.0	0.0	0.0	0.0	0.0	2.49E-08
8	6	5 5	56	17654.37	2	3573.72	2.7582	0.0400	0.0	0.0	0.0	0.0	0.0	2.22E-08
2	C	97	98	18071.92	1	3573.88	2.7981	0.0400	0.0	0.0	0.0	0.0	0.0	7.92E-08
12	10	34	35	22441.36	1	3574.33	2.7977	0.0400	0.0	0.0	0.0	0.0	0.0	8.06E-08
6	4	66	65	16662.99	2	3574.71	2.7974	0.0400	0.0	0.0	0.0	0.0	0.0	3-12E-08
5	3	74	75	16226.44	2	3575.22	2.7570	0.0400	0.0	0.0	0.0	0.0	0.0	3.09E-08
11	ç	42	43	21659.36	1	3575.92	2.7965	0.0400	0.0	0.0	0.0	0.0	0.0	1.48E-07
5	3	e 1	82	18792.51	1	3576.42	2.7961	0.0400	0.0	0.0	0.0	0.0	2.66E-08	4.09E-07
8	6	63	64	19918.36	1	3577.6¢	2.7952	0.0400	0.0	0.0	0.0	0.0	2.18E-08	4.02E-07
3	1	65	86	1541C.46	2	3578.22	2.7947	0.0400	0.0	0.0	0.0	0.0	0.0	1.90E-08
9	7	47	48	16165.70	2	3578.77	2.7943	0.0400	0.0	0.0	0.0	0.0	0.0	1.76E-08
7	5	61	62	17001.87	2	3579.21	2.7939	0.0406	0.0	0.0	0.0	0.0	0.0	3.09E-08
6	4	75	76	19044.64	1	3579.23	2.7939	0.040C	0.0	0.0	0.0	0.0	3.01E-08	4.82E-07
7	5	69	70	19420.38	1	3579.63	2,7936	0.0400	0.0	0.0	0.0	0.0	2.80E-08	4.76E-07
10	6	49	5 C	20914.12	1	3579.89	2.7934	0.0400	0.0	0.0	0.0	0.0	1 • 14E-08	2.46E-07
12	10	33	34	22320.07	1	3580.11	2.7932	0.0400	0.0	0.0	0.0	0.0	0.0	8.66E-08
5	7	56	57	20333.01	1	3580.43	2.7930	0.0400	0.0	'ò • o	0.0	0.0	1.74E-08	3.42E-07
4	2	86	87	18349.76	1	3500.53	2.7529	0.0400	0.0	0.0	0.0	0.0	2.50E-08	3.58E-07
										· = *		-,-		

85

E 6 56 55 17802.46 2 3580.48 2 .7522 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.8555-08 2 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	VÜ	٧L	Ju	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT		RPTION ** CO:	EFFICIENT *	*****
2 C SC 91 114993.09 2 3581.49 2.7922 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					ENERGY					T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
2 C SC 91 114993.09 2 3581.49 2.7922 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					•										
2 C SC 91 114993.09 2 3581.49 2.7922 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	£	6	56	55	17503.45	2	3580.58	2.7528	0.0400	0.0	0.0	0.0	0.0	0.0	2.55E~08
4 2 75 60 15628.77 2 3361.86 2.7518 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.09E-08 1 1 64 2 1562.51 1 3862.26 2.7518 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
11 5 41 42 21505.51 1 3882.2E 2.7918 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
3 1 51 92 1799,141 1 3562,08 2.7510 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.81E-08 2.44E-07 5 3 73 74 15567.00 2 3563.26 2.7508 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	11		41	42										0.0	1.64E-07
S	6	4	67	68	16425.77	2	3502.38	2.7914	0.0400	0-0	0.0	0.0	0.0	0.0	3.72E-08
2 0 56 97 17716,34 1 3583.8C 2.7962 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.04E-07 7 7 6 7 46 47 1862.73 2 3586.14 2.7863 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.495-08 5.12E-07 7 8 6 6 3 386.14 2.7863 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.495-08 5.12E-07 7 12 10 32 33 2226.16 1 3585.33 2.7861 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3	1	G 1	92	17991.41	1	3562.98	2.7910	0-0400	0.0	0.0	0.0	0.0	1.81E-08	2.44E-07
S 7 46 47 16002473 2 33851.43 2.7863 0.0400 0.0 0.0 0.0 0.0 0.0 3.496-06 5.128-07 E 6 6 8 18494,3 1 3385,33 2.7861 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.496-06 5.128-07 E 6 6 6 1676,46 2 3385,33 2.7861 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 F 7 8 8 9 20734,93 3.3861,62 2.7868 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 E 8 9 20734,93 3.3861,62 2.7861 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 E 8 9 20734,93 3.3861,62 2.7861 0.0400 0.0 0	5	3	73	74	15567.60	2	3583.26	2.7908	0.0400	0.0	0.0	0.0	0.0	0.0	3.76E-08
S							3583.8C	2.7903		0.0	0.0	0.0		0.0	
E C C C C C C C C C															
12 10 22 33 222C2.19 1 3598.02 2.7888 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			-												
T															
10															
3															
\$ 6 52 54 17315.80 2 3587.39 2.7875 0.0400 0.0 0.0 0.0 0.0 0.0 2.08E-08 3.97E-07 6 4 74 75 18773.88 1 3587.76 2.7873 0.0400 0.0 0.0 0.0 0.0 0.0 3.85E-08 3.97E-07 7 5 65 66 97 18773.88 1 3587.76 2.7873 0.0400 0.0 0.0 0.0 0.0 0.0 3.85E-08 5.92E-07 11 5 40 41 21363.06 1 3588.51 2.7667 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.85E-08 5.92E-07 11 5 40 41 21363.06 1 3588.51 2.7667 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
\$ 7 55 56 20122.36 1 3587.7C 2.7873 0.0400 0.0 0.0 0.0 0.0 2.08E-08 3.97E-07 7 5 62 69 15171.93 1 3587.77 2.7872 0.0400 0.0 0.0 0.0 0.0 3.58E-08 5.02E-07 7 5 62 69 15171.93 1 3587.77 2.7872 0.0400 0.0 0.0 0.0 0.0 0.0 3.58E-08 5.02E-07 7 5 62 69 15171.93 1 3588.51 2.7867 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
6 4 74 75 16773,88 1 3587.76 2.7672 0.0400 0.0 0.0 0.0 0.0 0.0 3.58E-08 5.92E-07 7 5 6 6 65 16713,93 1 3587.77 2.7672 0.0400 0.0 0.0 0.0 0.0 0.0 3.58E-08 4.7672-07 11 6 40 41 21363.06 1 3588.51 2.7667 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.86E-08 4 2 6 86 1637.58 1 3589.76 2.7657 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.35E-08 4.56E-07, 6 4 66 67 16191.77 2 3590.00 2.7855 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
7															
11 9 40 41 21363.06 1 3588.51 2.7667															
4 2 65 86 18C37.58 1 3589.76 2.7855 0.040C 0.0 0.0 0.0 0.0 0.0 0.0 3.35E-08 4.56E-07 4.66 67 16191.77 2 3590.00 2.7855 0.040C 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0															
6 4 66 67 16191.77 2 3590.00 2.7855 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 3.03E=08 2 0 25 90 14675.55 2 3590.20 2.7854 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.03E=08 2 0 25 90 14675.55 2 3590.43 2.7852 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 1.16E=08 5 3 72 73 15711.97 2 3551.44 2.7844 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.															
4 2 7E 79 15351.45 2 3590.43 2.7852 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.16E-08 5 3 72 73 16711.97 2 3591.44 2.7844 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.				_											
2 0 65 90 14675.56 2 3590.43 2.7862 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.16E-08 9 7 45 46 17842.04 2 3591.24 2.7844 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.20E-08 9 7 45 46 17842.04 2 3591.42 2.7844 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.															
\$ 7 72 73 16711.97 2 3591.42 2.7846															
9 7 4 5 46 17842-04 2 3591-44 2.7844 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 2.20E-08 12 10 31 32 22CE7.72 1 3591-46 2.7844 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.															
12 10 31 32 22ce7.72 1 3591.4e 2.7844 0.040C 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9.87E-08 3 1 9C 91 17660.10 1 3592.53 2.7836 0.0400 0.0 0.0 0.0 0.0 0.0 2.46E-08 3.15E-07 E 6 61 62 19469.31 1 3593.01 2.7832 0.0400 0.0 0.0 0.0 0.0 0.0 3.27E-08 5.60E-07 10 E 47 48 2CE67.13 1 3593.43 2.7829 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.54E-08 3.14E-07 7 5 5 60 (6 15880.31 2 3593.64 2.7827 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
3 1 5 C 91 17660.10 1 3592.63 2.7836 0.0400 0.0 0.0 0.0 0.0 0.0 2.46E-08 3.15E-07 6 6 61 62 19469.31 1 3593.01 2.7832 0.0400 0.0 0.0 0.0 0.0 0.0 3.27E-08 5.60E-07 7 5 5 5 6 16580.31 2 3593.64 2.7827 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.54E-08 3.14E-07 7 5 5 5 6 16580.31 2 3593.64 2.7827 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
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10		6	61	62											
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E 6 52 53 17131.43 2 3594.13 2.7823 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.34E-08 5 3 79 80 18209.59 1 3594.18 2.7823 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 4.57E-08 6.40E-07 11 5 35 40 21220.01 1 3594.72 2.7817 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7	5	59	6 C	16580.31	2 '	3593.64	2.7827			0.0			0 • 0	
5 3 79 80 16209.59 1 3594.18 2.7823 0.0400 0.0 0.0 0.0 0.0 0.0 4.57E-08 6.40E-07 11 5 35 40 21220.01 1 3594.72 2.7819 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.98E-07 9 7 54 55 19925.07 1 3594.92 2.7817 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2	O	96	96	17367.91	1	3593.66	2.7827	0.0400	0.0	0.0	0.0	0.0	1.12E-08	1.37E-07
11	8	6	52	53	17131.43	2	3594 • 13,	2.7823	0.0400	0.0	0.0	0.0	0.0	0.0	3,34E-08
9 7 84 55 19935.07 1 3594.92 2.7817 0.0400 0.0 0.0 0.0 0.0 0.0 2.48E-08 4.58E-07 3 1 83 84 14815.63 2 3595.57 2.7812 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.01E-08 7 5 67 68 18926.79 1 3595.84 2.7810 0.0400 0.0 0.0 0.0 0.0 0.0 4.39E-08 6.89E-07 6 4 73 74 18506.41 1 3596.22 2.7867 0.0400 0.0 0.0 0.0 0.0 0.0 4.94E-08 7.25E-07 12 10 30 31 21976.67 1 3597.06 2.7800 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	5	3	79	80	16209.59	1	3594.18	2.7623	0.0400	0.0	0.0	0.0	0.0	4.57Ė-08	6.40E-07
3 1 83 84 14815.63 2 3595.57 2.7812 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.01E-08 7 5 67 68 16926.79 1 3595.84 2.7810 0.0400 0.0 0.0 0.0 0.0 0.0 4.39E-08 6.89E-07 6 4 73 74 18506.41 1 3596.22 2.7807 0.0400 0.0 0.0 0.0 0.0 0.0 4.94E-08 7.25E-07 12 10 20 31 21576.67 1 3597.06 2.7800 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 6 4 65 66 15961.02 2 3597.56 2.7797 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.26E-08 5 7 44 45 17686.66 2 3597.69 2.7756 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	t 1	S	35	40	21220.01	. 1	3594.72	2.7819	0.0400	0.0	0.0	0.0	0.0	0.0	1.98E-07
7		7		55	19925.07	1	3594.92	2.7817	0.0400	0.0	0.0	0.0	0.0	2.48E-08	4.58E-07
6 4 73 74 18506.41 1 3596.22 2.7807 0.0400 0.0 0.0 0.0 0.0 0.0 4.94E-08 7.25E-07 12 10 30 31 21576.67 1 3597.06 2.7800 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.05E-07 6 4 65 66 15961.02 2 3597.56 2.7797 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.26E-08 7 44 45 17686.66 2 3597.56 2.7796 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.45E-08 4 2 77 78 15077.32 2 3598.49 2.7789 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
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3 1 89 9G 17331.98 1 3602.03 2.7762 0.0400 0.0 0.0 0.0 0.0 3.33E-08 4.06E-07															
	9	7	53	54	19741.15		3602.07	2.7762	0.0400	0.0	0.0	0.0	0.0	2.95E-08	5.27E-07

VL	٧L	JÚ	JL	LOWER State	CODE	WAVE Number	WAVE Length	HALF WICTH	******	*** INTEGRAT		ESORPTION ** CO	EFFÍCIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	7 = 9	000 T = 1200	T = 1500	T = 1800
12	10	29	30	21869.04	1	3602.58	2.7758	0.0400	0.0	0.0	0.0	0 • 0	0.0	1.11E-07
5	3	78	79	17923.02	1	3602.98	2.7755	0.0400	0.0	0.0	0.0	0.0	5.96E-08	7.97E-07
2	C	S4	95	17020.62	1	3603.48	2.7751	C.040C	0.0	0.0	0.0	0.0	1.54E-08	1.79E-07
7	5	66	67	18684.96	1	3603.85	2.7748	0.0400	0.0	0.0	0.0	0.0	5.47E-08	8.26E-07
S	7	43	44	17533.59	2	3603.87	2.7748	0.0400	0.0	0.0	0.0	0.0	0.0	2.71E-08
3	1	82	23	14522.95	2	3604.17	2.7746	0.0400	0.0	0.0	0.0	0.0	0.0	3.77E-08
E	4	72	73	18242.22	1	3604.63	2.7742	0.0400	0.0	0.0	0.0	0.0	6.30E-08	8.86E-07
6	4	64	65	15733.51	2	3605.06	2.7739	0.0400	0.0	0.0	0.0	0.0	0.0	6.23E-08
10	e	45	46	20233.70	1	3606.73	2.7726	0.0400	0.0	0.0	0.0	0.0	2.05E-08	3.96E-07
4	2	76	77	14806.39	2	3606.73	2.7726	0.0400	0.0	0.0	0.0	0.0	0.0	5.79E-08
11	9	37	38	20944.14	1	3606.93	2.7724	C.0400	0.0	0.0	0.0	0.0	1.095-08	2.36E-07
5	з.	7 C	71	15210.34	2	3607.04	2.7724	0.0400	0.0	0.0	0.0	0.0	0.0	6.67E-08
8	6	50	51	16772.57	2	3607.46	2.7720	0.0400	0.0	0.0	0.0	0.0	0.0	4.31E-08
7	5	57	58	16171.80	2	3607.84	2.7717	0.0400	0.0	0.0	0.0	0.0	0.0	5.69E~08
12	10	26	29	21764.84	1	3608.04	2.7716	0.0400	0.0	0.0	0.0	0.0	0.0	1.17E-07
4	2	63	84	17422.89	1	3608.05	2.7716	0.0400	0.0	0.0	0.0	0.0	5.94E-08	7.33E-07
8	ε	55	60	19033.64	1	3608.18	2.7715	0.0400	0.0	0.0	0.0	0.0	4.82E-08	7.71E-07
2	a	87	88	14049.87	2	3608.28	2.7714	0.0400	0.0	0.0	0.0	0.0	0.0	1.88E-08
9	7	52	53	19550.62	1.	3609.16	2.7707	0.0400	0.0	0.0	0.0	0.0	3.49E-08	6.05E-07
g	7	42	43	17383.83	2	3610.0¢	. 2.7701	0.0400	0.0	0.0	0.0	0.0	0.0	3.00E-08
3	1	8.8	89	17007.07	1	3611.46	2.7690	0.0400	0.0	0.0	0.0	0.0	4.526-08	5.22E-07
5	3	77	78	17639.71	1	3611.71	2.7688	0.0400	0.0	0.0	0.0	0.0	7.74E-08	9.90E-07
7	5	65	66	16446.48	1	3611.81	2.7687	0.0400	0.0	0.0	0.0	0.0	6.78E-08	9.87E-07
6	4	63	64	15509.25	2	3612.50	2.7682	0.0400	0.0	0.0	0.0	0.0	0.0	7.36E-08
3	1	81	82	14233.45	2	3612.71	2.7680	0.0400	0.0	0.0	0.0	0.0	0.0	4.71E-08
11	9	36	37,	20811.34	1	3612.94	2.7678	0.0400	0.0	0.0	0.0	0.0	1.216-08	2.57E-07
E	4	7 L	72`	17981.34	1	3612.97	2.7678	0.0400	0.0	0.0	0.0	0.0	8.00E-08	1.08E-06
2	C	93	94	16676.52	1	3613.23	2.7676	0.0400	0.0	0.0	0.0	0.0	2.13E-08	2.33E-07
10	æ	44	45	20072.09	1	3613.29	2.7676	0.0400	0.0	0.0	C.O	0.0	2.356-06	4.42E-07
12	10	27	26	21664.07	1	3613.43	2.7675	0.040C	0.0	0.0	0.0	0.0	0.0	1.23E-07
8	6	49	50	16598.08	2	3614.03	2.7670	0.0400	0.0	0.0	0.0	0.0	0.0	4.88E-08
7	5	5€	57	15972.47	2	3614.85	2.7664	0.0400	0.0	0.0	0.0	0.0	0.0	6.586-08
5	3	69	7 C	14964.37	2	3614.85	2.7664	0.0400	0.0	0.0	0.0	0.0	0.0	8.03E-08
4	2	75	76	14538.66	2	3614.91	2.7663	0.0400	0.0	0.0	0.0	0.0	0.0	7.10E-08
8	€	5€	59	18820.86	1	3615.68	2.7657	0.0400	0.0	0.0	0.0	0.0	5.84E-08	9.02E-07
9	7	41	42	17237.39	2	3616.07	2.7654	0.0400	0.0	0.0	0.0	0.0	0.0	3.30E-08
ç	7	51	52	19363.47	1	3616.19	2.7653	0.0400	0.0	0.0	0.0	0.0	4.11E-08	6.92E-07
4	2	82	EЗ	17120.41	1	3617.11	2.7646	0.0400	0.0	0.0	0.0	0 • Ô	7.87E-08	9.25E-07
2	C	66	87	13741.75	2	3617.13	2.7646	0.0400	0.0	0.0	0.0	0.0	0.0	2.38E-08
12	10	26	27	21566.74	1	3618.75	2.7634	0.0400	0.0	0.0	0.0	0.0	0.0	1.29E-07
11	5	35	36	20681.96	1	3618.88	2.7633	0.0400	0.0	0.0	0.0	0.0	1.34E-08	2.78E-07
7	5	64	65	16211.34	1	3619.70	2.7627	0.0400	0.0	0.0	0.0	0.0	8.39E-08	1.185-06-
10	e	43	44	19913.90	1	3619.78	2.7626	0.0400	0.0	0.0	0.0	C . 0	2.685-08	4.93E-07
6	4	62	63	15286.27	2	3619.89	2.7625	C.0400	0.0	0.0	0.0	0.0	0.0	8.666-08
5	3	7€	77	17359.69	1	3620.39	2.7621	0.0400	0 • C	0.0	0.0	0.0	1.00E-07	1.23E-06
9	E	4 E	49	16426.90	2	3620.54	2.7620	0.0400	0.0	0.0	0.0	0 • 0	0.0	5.50E-08
3	1	87	88	16685.38	i	3620.85	2.7618	0.0400	0.0	0.0	0.0	0.0	6.10E-08	6.70E-07
3	1	8 C	81	13947.12	2	3621.20	2.7615	0.0400	0.0	0.0	0.0	0.0	0.0	5.86E-08
€	4	7 C	71	17723.78	1	3621.26	2.7615	0.0400	0.0	0.0	0.0	0.0	1.01E-07	1431E-06
7	5	55	56	15776.43	2	3621.80	2.7611	0.0400	0.0	0.0	0.0	0.0	0.0	7.60E-08
, 6	7	40	41	17,094.27	2	3622.07	2.7609	0.0400	0.0	ó•0	0.0	0.0	0.0	3.63E-08
E	3	68	69	14721.64	2	3622.61	2.7604	0.0400	0.0	ó.o	0.0	0.0	1.20E-08	9.63E-08
2	0	92	93	16335.59	1	3622.93	2.7602	0.0400	0.0	0.0	0.0	0.0	2.92E-08	3.03E-07

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HAĽF WIDTH	*****	** INTEGRĀT		AÓSORPTION ** COE CM-2*ATM-1	EFFICIENT #	******
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	Y =	900 T = 1200	T = 1500	T = 1800
								- <i>-</i>						
4	2	74	75	14274.14	2	3623.04	2.7601	0.0400	0.0	0.0	0.0	0.0	1.165-08	8.68E-08
8	ě	57	58	18611.44	1	3623.11	2.7601	0.0400	0.0	0.0	0.0	0.0	7.05E-08	1.05E-06
9	7	50	51	19179.72		3623.15	2.7600	0.0400	0.0	0.0	0.0	0.0	4.83E-08	7.89E-07
12	10	25	26	21472.84	i	3624.01	2.7554	0.0400	0.0	0.0	0.0	0.0	0.0	1.35E-07
11	9	34	35	20556.01	1	3624.76	2.7588	0.0400	0.0	0.0	0.0	0.0	1.47E-08	3.00E-07
2	C	85	86	13436.77	2	3625.92	2.7579	0.0400	0.0	0.0	0.0	0.0	0.0	3.01E-08
4	2	81	82	16821.19	1	3626.11	2.7578	0.0400	0.0	0.0	0.0	0.0	1.04E-07	1.17E-06
10	8	42	E P	19759.12	1	3626.20	2.7577	0.0400	0.0	0.0	0.0	0 • 0	3.05E-08	5.47E-07
8	6	47	84	16259.04	2	3627.0C	2.7571	0.0400	0.0	_ 0.0	0.0	0.0	0.0	6-19E-08
E	4	61	62	15070.55	2	3627.22	2.7569	0.0400	0.0	0.0	0.0	0.0	1.20E-08	1.02E-07
7	5	63	€4	17979.55	1	3627.53	2.7567	0.0400	0.0	0.0	0.0	0.0	1.03E-07	1.40E-06
9	7	39	40	16954.49	2	3628.02	2.7563	0.0400	0.0	0.0	0.0	0.0	0.0	3.97E-08
7	5	54	55	15563.68	2	3628.7C	2.7558	0.0406	0.0	0.0	0.0	0.0	0.0	8.74E-08
5	3	7 5	76	17082.96	1	3629.01	2.7556	0.0400	0.0	0.0	0.0	0.0	1.29E-07	1.51E~06
12	10	24	25	21362.39	1	3629.20	2.7554	0.0400	0.0	0.0	0.0	0.0	0 • 0	1.40E-07
Ę	4	65	70	17469.54	1	3629.49	2.7552	0.0400	0.0	0.0	0.0	0.0	1.28E-07	1.59E-06
3	1	79	80	13663.99		3629.63	2.7551	0.0400	0.0	0.0	0.0	0.0	1.08E-08	,7∙28E-08
ç	7	45	50	18999.38		3630.06	2.7548	0.0400	0.0	0.0	0.0	0.0	5.65E-08	8.97E-07
3	1	86	87	16366.91		3630.17	2.7547	0.0400	0.0	0.0	0.0	0.0	0.21E-08	8.57E-07
5	3	67	68	14482.17		3630.32	2.7546	0.0400	0.0	0.0	0.0	0.0	1.50E-08	1.15E-07
8	6	56	57	18405.41		34.0E6E	2.7545	0.0400	0.0	0.0	_0•o`	0.0	0.48E-08	1.23E-06
11	5	33	34	20433.50		3630.58	2.7544	0.0400	0.0	0.0	0.0	0.0	1.61E-08	3.22E-07
4	2	73	74	14012,86		3631.11	2.7540	0.0400	0.0	0.0	0.0	0.0	1.48E-08	1.06E-07
10	9	41	42	19607.77		3632.57	2.7529	0.0400	0.0	0.0	0.0	0.0	3.45E-08	6.05E-07
2	0	91	92	15957.85		3632.58	2.7529	0.0400	0.0	0.0	0.0	0.0	4.00E-08	3.93E-07
e	6	46	47	16054.49		3633.39	-2.7523	0.0400	0.0	0 • C	0.0	0.0	0.0	6.94E-08
9	7	35	39	16818.04		3633.91	2.7519	0.0400	0.0	0.0	0 • o	0.0	0.0	4.34E-08
12	10	23	24	21295.39		3634.33	2.7515	0.0412	0.0	0.0	0.0	0.0	0.0	1.45E-07
É	4	60	61	14856.11		3634.50	2.7514	0.0400	0.0	0.0	0.0	0.0	1.46E-08	1.19E-07
2	C	84	85	13134.97		3634.66	2.7513	0.0400	0.0	0.0	0.0	0+0	0.0	3.80E-08
4	2	εç	81	16525.24		3635.06	2.7510	0.0400	0.0	0.0	0.0	0.0	1.37E-07	1.46E-06
7	5	62	63.	17751.12		3635.31	2.7508	0.0400	0.0	0.0	0.0	0.0	1.27E-07	1.65E-06
7	5	53	54	15394.23	-	3635.54	2.7506	0.0400	0.0	0.0	0.0	0.0	1.12E-08	1.00E-07
11	9	32	33	20314.43		3636.33	2.7500	0.0400	0.0	0.0	0.0	0.0	1.76E-08	3.45E-07
9	7	48	49	18822.44		3636.90	2.7496	0.0400	0.0	0.0	0.0	0.0	6.58E-08	1.025-06
5	3	74 68	75	16809.55		3637.57	2.7491	0.0400	0.0	0.0	0.0	0.0	1.66E-07	1.86E-06
6 8	4 6	55	69	17218.64		3637.66	2.7490	0.0400	0.0	0.0	0.0	0.0	1.61E-07	1.92E-06 1.42E-06
5	3	66	56 67	18202.77		3637.79	2•7489 2•7488	0.0400	0 • 0 0 • 0	0.0	0.0	0.0 0.0	1.02E-07 1.85E-08	1.38E-07
3	1	78	79	13384.06		3637.96	2.7488	0.0400	0.0	0.0	0.0	0.0	1.40E-08	9.02E-08
10	ė	40	41	19459.85		3638.01 3638.67	2.7481	0.0400	0.0	0.0	0.0	0.0	3.90E-08	6.67E-07
4	2	72	73	13754.80		3639.13	2.7479	0.0400	0.0	0.0	0.0	0.0	1.885-08	1.29E-07
12	10	aa	23	21211.84		3639.39	2.7477	0.0423	0.0	0.0	0.0	0.0	0.0	1.49E-07
3	l	25	86	16051.69		3639.44	2.7477	0.0400	0.0	0.0	0.0	0.0	1.10E-07	1.095-06
ē	Ė	45	46	15933.27		3639.73	2.7475	0.0400	0.0	0.0	0.0	0.0	0.0	7.76E-08
9	7	37	38	16684.94		3639.74	2.7474	0.0400	0.0	0.0	0.0	0.0	0.0	4.72E-08
€	4	55	60	14644.96		3641.71	2.7460	0.0400	0.0	0.0	0.0	0.0	1.766-08	1.395-07
11	9	31	32	20198.81		3642.02	2.7457	0.0400	0.0	0.0	0.0	0.0	1.915-08	3.68E-07
2	Č	50	91	15663.33		3642.16	2.7456	0.0400	0.0	0.0	0.0	0.0	5.46E-08	5.09E-07
7	5	52	53	15208.11		3642.32	2.7455	0.0400	0.0	0.0	0.0	0.0	1.32E-08	1.15E-07
7	5	61	62	17526.07		3643.02	2.7450	0.0400	0.0	0.0	0.0	0.0	1.56E-07	1.95E-06
2	ō	EB	84	12836.35		3643.34	2.7447	0.0400	0.0	0.0	0.0	0.0	0.0	4.79E-08
9	7	47	48	18648.93		3643.68	2.7445	0.0400	0.0	0.0	0.0	0.0	7.64E-08	1.15E-06
-	•	- •			-									

VU	٧L	Ju	٦٢	LCWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** ÎNTEGRAT	EC **	ABSORPTION ** C CV-2*ATV-1	DEFFICIENT	*****
				FNERGY		CM-1	MICREN	N2	T = 300	T = 600	T =	900 T = 1200	T = 1500	T = 1800
			•											
	_	~~		16070 67		7647.66	0 7447	0.000		0.0		0.0	1.79E-07	1.83E-06
4	2	79	80	16232.57		3643.95	2.7443	0.0400	0.0	0.0	0.0	0.0 0.0	0.0	1.52E-07
12	10	21	22	21131.74	1	3644.38	2.7440	0.0435	0.0	0.0	0.0	G. O	1.215-07	
9	6	54 39	55	180C3.52 19315.37	1	3645.04 3645.11	2.7435 2.7434	0.0400 0.0400	0.0 0.0	0.0	0.0	0.0	4.39E-08	
10	2 7		37	16555.18	1 2		2.7434	0.0400	0.0	0.0	0.0	0.0	0.0	5.11E-08
9 5	ž	36 65	66	14013.01	2	3645.51 3645.55	2.7431	0.0400	0.0	0.0	0.0	0.0	2.29E-08	
6	4	67	68	16971.09	1	3645.77	2.7429	0.0400	0.0	0.0	0.0	0.0	2.01E-07	2.316-06
8	6	44	45	15775.39	2		2.7427	0.0400	0.0	0.0	0.0	0.0	0.0	8.64E-08
5	3	73	74	16539.45	1	3646.01 3646.07	2.7427	0.0400	0.0	0.0	0.0	0.0	2.13E-07	
3	1	77	78	13107.35	2	3646.34	2.7425	0.0400	0.0	0.0	0.0	0.0	1.80E-08	
4	2	71	72	13499.99	2	3647.09	2.7419	0.0400	0.0	0.0	0.0	0.0	2.37E-08	
11	9	30	31	20086.64	1	3647.64	2.7415	0.0400	0.0	0.0	0.0	0.0	2.07E-08	
3	1	84	25	15739.73	1	3648.65	2.7407	0.0400	0.0	0.0	0.0	0.0	1.47E-07	
6	4	58	59	14437.11	2	3648.87	2.7406	0.0400	0.0	0.0	0.0	0.0	2.12E-08	
7	5	51	52	15025.29	2	3649.04	2.7404	0.0400	0.0	0.0	0.0	0.0	1.56E-08	
12	10	20	21	21055.10	1	3649.31	2.7402	0.0447	0.0	0.0	0.0	0.0	0.0	1.55E-07
9	7	46	47	18478.84	1	3650.39	2.7394	0.0400	0.0	0.0	0.0	0.0	8.84E-08	
7	έ	60	61	17304.39	î	3650.67	2.7352	0.0400	0.0	0.0	0.0	0.0	1.905-07	
9	7	35	36	16428.77	2	3651-21	2.7388	0.0400	0.0	0.0	0.0	0.0	0.6	5.52E-08
10	ŧ	38	39	19174.33	1	3651.28	2.7388	0.0400	0.0	0.0	0.0	0.0	4.91E-08	
2	ō	89	90	15332.04	i	3651.70	2.7385	0.0400	0.0	0.0	0.0	0.0	7.42E-08	
2	Č	82	23	12540.93	2	3651.97	2.7382	C • 04C0	0.0	0.0	0.0	C.C	1.06E-08	
é	6	43	44	15620.85	2	3652.23	2.7381	0.0400	0.0	0.0	0.0	0.0	1.04E-08	
ē	6	53	54	17807.68	ī	3652.23	2.7381	0.0400	0.0	0.0	0.0	0.0	1.44E-07	
4	2	7€	75	15943.20	î	3652.78	2.7376	0.0400	0.0	0.0	0.0	0.0	2.345-07	
5	3	64	65	13763.34	2	3653.09	2.7374	0.0400	0.0	0.0	0.0	0.0	2.82E-08	
11	9	29	30	19977.94	1	3653.19	2.7373	0.0400	0.0	0.0	0.0	0.0	2.236-08	
6	4	66	67	16726.89	ì	3653.82	2.7369	0.0400	0.0	0.0	0.0	0.0	2.51E-07	
12	10	19	20	20981.92	ī	3654.17	2.7366	0.0458	0.0	0.0	0.0	0.0	0.0	1.58E-07
5	3	72	73	16272.68	ī	3654.51	2.7363	0.0400	0.0	0.0	0.0	0.0	2.73E-07	
3	1	76	77	12833.86	2	3654.61	2.7363	C.04C0	0.0	0.0	0.0	0.0	2.32E-08	
4	2	70	71	13248,44	2	3654.99	2.7360	0.0400	0.0	0.0	0.0	0.0	2.98E-08	
7	5	5 C	51	14845.80	2	3655.71	2.7354	0.0400	0.0	0.0	0.0	0.0	1.825-08	
6	4	57	58	14232.57	2	3655.98	2.7352	0.0400	0.0	0.0	0.0	0.0	2.54E-08	
9	7	34		16305.72	2	3656.86	2.7346	0.0400	0.0	0.0	0.0	0.0	0.0	5.95E-08
Ś	7	45	46	19312.18	1	3657.05	2.7344	0.0400	0 • C	0.0	0.0	0.0	1.02E-07	1.45E-06
10	ε	37	36	19036.74	1	3657.39	2.7342	0.0400	0.0	0.0	0.0	0.0	5.48E-08	
3	t	£3	84	15431.03	1	3657.81	2.7339	0.0400	0.0	0.0	0.0	0.0	1.96E-07	1.77E-06
7	5	59	60	17086.11	1	3658.27	2.7335	0.0400	0.0	0.0	0.0	0.0	2.31E-07	2.70E-06
8	6	42	43	15469.65	2	3658.39	2.7334	0.0400	0.0	0.0	0.0	0.0	1.18E-08	1.06E-07
11	9	2€	29	19672.69	1	3658.68	2.7232	0.0400	0.0	0.0	0.0	0.0	2.40F-08	4.38E-07
12	10	1 €	15	20912.20	1	3658.96	2.7330	0.047C	G • C	0.0	0.0	0.0	0.0	1.596-07
8	6	52	53	17615.26	1	3655.36	2.7327	0.040C	C.O	0.6	0.0	0.0	1.71E-07	2.18E-06
2	ō	8 1	82	12248.70	2	3660.55	2.7318	0.0400	0.0	0.0	0.0	0.0	1.39E-08	7.52E-08
5	3	63	64	13556.96	2	3660.57	2.7318	0.0400	0.0	0.0	0.0	0.0	3.45E-08	2.30E-07
2	ō	88	89	15003.98	1	3661.17	2.7314	0.0400	0.0	0.0	0.0	0.0	1.01E-07	8.47E-07
4	2	77	78	15657.13	1	3661.55	2.7311	0.0400	0.0	0.0	0.0	C • C	3.05E-07	2.85E-06
6	4	€5	66	16466.06	1	3661.81	2.7309	0.0400	0.0	0.0	0.0	0.0	3.12E-07	3.325-06
7	5	49	50	14669.65	2	3662.31	2.7305	C.04CC	0.0	0.0	0.0	0 • C	2.126-08	1.68E-07
ç	7	33	34	16166.04	2	3662.45	2.7304	0.0400	0.0	0.0	0.0	0.0	0.0	6.38E-08
3	1	75	76	12563.62	2	3662.83	2.7301	0.0400	0.0	0.0	0.0	0.0	2.97E-08	1.695-07
4	2	69	70	13000.15	2	3662.84	2.7301	0.0400	0.0	0.0	0.0	0.0	3.74E-08	
5	3	71	72	16009.24	1	3662.89	2.7301	C.0400	0.0	0.0	0.0	1.01E-08	3.47E-07	3.42E-06

٧L	٧L	มช	JL	LOWER STATE	CODE	MAVE Number	WAVE LENGTH	#ALF WIDTH	******	** INTEGRAT	ED ** A850R CM-2*	PTION ** COE	EFFICIENT **	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
											•		•	- • • •
6	4	56	57	14031.34	2	3663.02	2.7300	0.0400	0.0	0.0	0.0	0.0	3.05E-08	2.18E-07
10	8	3€	37	18902.61	1	3663.44	2.7297	0.0400	0.0	0.0	0.0	0.0	6.09E-08	9.53E-07
9	7	44	45	18148.97	1	3663.64	2.7295	0.0400	0.0	0.0	0.0	0.0	1.17E-07	1.62E-06
12	10	17	18	20845.96		3663.69	2.7295	0.0482	0.0	0.0	0.0	0.0	0.0	1.60E-07
11	9	27	28	19770.91		3664.11	2.7292	0.0400	0.0	0.0	0.0	0.0	2.56E-08	4-61E-07
8	6	41	42	12351-80		3664.49	2.7269	0.0400	0.0	0.0	0.0	0.0	1.33E-08	1.17E-07
7	5	58	59	16871.22		3665.80	2.7279	0.0400	0.0	0.0	0.0	0.0	2.80E-07	3.17E-06
٤	E	51	52	17426.27		3666.42	2.7275	0.0400	0.0	0.0	0.0	0.0	2.02E-07	2.50E-06 2.23E-06
3	1	82	E8	15125-61	1	3666.90	2.7271	0.0400	0.0	0.0	0.0	0.0	2.61E-07	6.82E-08
9 5	7 3	32 62	33 63	16069.71 13333.88		3667•98 3667•99	2.7263 2.7263	0.0400 0.0400	0.0 0.0	0.0 0.0	0.0	0.0	0.0 4.22E-08	2.71E-07
12	10	16	17	20763.18		3668.35	2.7260	0.0493	0.0	0.0	0.0	0.0	0.0	1.595-07
7	5	46	49	14496.84		3668.86	2.7256	0.0490	0.0	0.0	0.0	0.0	2.46E-08	1.905-07
2	ō	80	81	11959.70		3669.07	2.7255	0.0400	0.0	0.0	0.0	0.0	1.82E-08	9.39E-08
10	ē	35	36	18771.94		3669.42	2.7252	0.0400	0.0	0.0	0.0	0.0	6.74E-08	1.03E-06
11	9	26	27	15672.59		3669.47	2.7252	0.0400	0.0	0.0	0.0	0.0	2.73E-08	4.83E-07
6	4	64	65	16248.61		3669.74	2.7250	0.0400	0.0	0.0	0.0	1.066-08	3.87E-07	3.97E-06
6	4	55	56	13833.44		3670.01	2.7248	0.0400	0.0	0.0	0.0	0.0	3.63E-08	2.52E-07
9	7	43	44	17989.20	1	3670.16	2.7247	0.0400	0.0	0.0	0.0	0.0	1.34E-07	1.81E-06
4	2	76	77	15374.38	1	3670.26	2.7246	0.0400	0.0	0.0	0.0	1.34E-08	3.96E-07	3.53E-06
9	6	40	41	15177.32	2	3670.53	2.7244	0.0400	0.0	0.0	0.0	0.0	1 . 50E-08_	1.29E-07
2	C	67	88	14679.17		3670.59	2.7244	0.0400	0.0	0.0	0.0	0.0	1.37E-07	1.09E-06
4	2	€ €	65	12755.13		3670.64	2.7243	0.0400	0.0	0.0	0.0	0.0	4.685-08	2.74E-07
3	1	74	75	12296.62		3670.99	2.7241	0.0400	0.0	0.0	0.0	0.0	3.80E-08	2.07E-07
5	3	7 C	71	15749.16		3671.22	2.7239	C.0400	0.0	ō•ŏ	0.0	1.36E-08	4.41E-07	4.17E-06
12	10	15	16	20723.88		3672.94	2.7226	0.0505	0.0	0.0	0.0	0.0	0.0	1.58E-07
7	5	57	58	16659.74		3673.27	2.7224	0.0400	0.0	0.0	0.0	0.0	3.38E-07	3.70E-06
8	6	50	51	17240.70		3673.42	2.7223	0.0400	0.0	0.0	0.0	0.0	2.37E-07	2.855-06
\$ 11	9	21 25	32 2€	15956.77		3673.44	2.7222	C.0400 0.0400	0.0	0.0	0.0	0.0	0.0 2.89E-08	7.26E-08 5.05E-07
10	ر ع	34	35	18644.73		3674.76 3675.33	2.7213 2.7208	0.0400	0.0	0.0	0.0	0.0	7.43E-08	1.12E-06
7	5	47	48	14327.37		3675.35	2.7208	0.0400	0.0	0.0	0.0	0.0	2.85E-08	2.14E-07
	3	€1	62	13114.11		3675.36	2.7208	0.0400	0.0	0.0	0+0	0.0	5.14E-08	3.19E-07
3	1	e i	82	14623.48		3675.94	2.7204	0.0400	C.O	0.0	0.0	1.33E-08	3.46E-07	2.82E-06
8	ē	35	40	15036.20		3676.52	2.7200	0.0400	0.0	0.0	0.0	0.0	1.68E-08	1.41E-07
9	7	42	43	17832.88		3676.63	2.7199	0.0400	0.0	0.0	0.0	0.0	1.53E-07	2.01E-06
6	4	54	55	12638.86		3676.94	2.7197	C.0400	0.0	0.0	0.0	0.0	4.32E-08	2.91E-07
12 .	10	14	15	20668.05	1	3677.47	2.7193	0.0517	0.0	0.0	0.0	0.0	0.0	1.55E-07
2	0	79	80	11673.92	2	3677.54	2.7192	C.0400	0.0	0.0	0.0	0.0	2.38E-08	1.17E-07
€	4	63	64	16014.55	1	3677.61	2.7192	0.0400	0.0	0.0	0.0	1.39E-08	4.78E-07	4.72E-06
4	2	67	68	12513.40		3678.37	2.7186	0.0400	0.0	0.0	0.0	0.0	5.82E-06	3.28E-07
ς	7	30	31	15847.20		3678.85	2.7162	C.04CG	0.0	0.0	0.0	0.0	0.0	7.70E-08
4	2	75	76	15094.96		3678.92	2.7182	0.0400	0.0	0.0	0.0	1.86E-08	5.13E-07	4.37E-06
3	1	73	74	12032.87		3679.09	2.7181	C.0400	0.0	0.0	0.0	0.0	4.85E-08	2.53E-07
,5 2	3	69	70	15452.44		3679.48	2.7178	0.0400	0.0	0.0	0.0	1.83E-08	5.57E-07	5-06E-06
	C	98	87	14357.63		3679.95	2.7174	0.0400	0.0	0.0	0.0	0.0	1.84E-07	1.40E-05
11	9 6	24 45	25 50	19486.39		3679.99	2.7174	0.0400	0.0	0.0	0.0	0 • 0 0 • 0	3.05E-08 2.78E-07	5.24E-07 3.25E-06
٤ 7	5	56	57	17058.57		3680.36 3680.68	2•7171 2•7169	0.0400 0.0400	0.0	0.0 0.0	0.0 0.0	1.06E-08	4.08E-07	4.31E-06
ıć	8	33	34	18521.00		3681.19	2.7165	0.0400 0.0400	0.0	0.0	0.0	0.0	8.15E-08	1.20E-06
7	5	46	47	14161.26		3681.78	2.7161	0.0400	0.0	0.0	0.0	0.0	3.28E-08	2.41E-07
12	10	13	14	20615.70		3681.92	2.7160	0.0528	0.0	0.0	0.0	0.0	0.0	1.52E-07
. 6	é	35	39	14858.44		3682.44	2.7156	0.0400	0.0	0.0	0.0	0.0	1.87E-08	1.54E-07
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Vυ	٧L	Jυ	JL	LCWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT		PTION ** CO	EFFICIENT *:	*****
				ENERGY		Ch-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
_	_													
5	3	60	61	12897-64		3682.67	2.7154	0.0400	0.0	0.0	0.0	0.0	6.24E-08	3.74E-07
9	7	41	42	17680.03	1	3683.03	2.7152	0.0400	0.0	0.0	0.0	0.0	1.73E-07	2.236-06
6	4	53	54	13447.62	2	3683.82	2.7146	0.0400	0.0	0.0	0.0	0.0	5.11E-08	3.34E-07
9	7	29	30	15741.00	2	3684.19	2.7143	0.0400	0.0	0.0	0.0	0.0	0.0	8-14E-08
. 3	1	ec	81	14524.67	1	3684.92	2.7138	0.0400	0.0	0.0	0.0	1.89E-08	4.56E-07	3.55E-06
11	9	23	24	19390.52	1	3685.15	2.7136	0.0412	0.0	0.0	0.0	0.0	3.20E-08	5.43E-07
6	4	62	63	15783.89	l.	3685.42	2.7134	0.0400	0.0	0.0	0.0	1.81E-08	5.89E-C7	5.60E-06
2	0	78	79	11391.37	2	3685.95	2.7130	0.0400	0.0	0.0	0.0	0.0	3.09E-08	1.45E-07
4	2	66	67	12274.96	2	3686.06	2.7129	0.0400	0.0	0.0	0.0	0.0	7.23E-08	3.926-07
12	10	12	13	20566.83	1	3686.31	2.7127	0.0540	0.0	0.0	0.0	0.0	0.0	1.475-07
10	3	32	33	16400.75	1	3686.97	2.7123	0.0400	0.0	0.0	0.0	0.0	8.91E-08	1.29E-06
3	1	72	73	11772.40	2	3687.14	2.7121	0.0400	0.0	0.0	0.0	0.0	6.16E-08	3.08E-07
8	6	4 E	49	16879.89	1	3687.24	2.7121	0.0400	0.0	0.0	0.0	0.0	3.25E-07	3.68E-06
4	2	74	75	14818.89	1	3687.51	2.7119	0.0400	0.0	0.0	0.0	2.56E-08	6.62E-07	5.40E-06
•	3	68	69	15239.10	1	3687.69	2.7117	0.0400	0.0	0.0	0.0	2.45E-08	7.02E-07	6.12E-06
7	5	55	56	16247.05	1	3688.02	2.7115	C.0400	0.0	0.0	0.0	1.34E-08	4.89E-07	5.01E-06
7	5	4 5	46	13998.51	2	3688.15	2.7114	0.0400	0.0	0.0	0.0	0.0	3.77E-08	2.69E-07
9	6	37	38	14764.06	2	3688.30	2.7113	0.0400	0.0	0.0	0.0	0.0	2.08E-08	1.68E-07
2	0	8.5	86	14039.36	1	3689.26	2.7106	0.0400	0.0	0.0	0.0	1.166-08	2.48E-07	1.79E-06
9	7	40	41	17530.64	1	3689.36	2.7105	0.0400	0.0	0.0	0.0	0.0	1.96E-07	2.46E-06
9	7	28	29	15638.19	2	3689.47	2.7104	0.0400	0.0	0.0	0.0	0.0	0.0	8.59E-08
5	3	59	60	12684.50	2	3689.92	2.7101	0.0400	0.0	0.0	0.0	0.0	7.55E-08	4.37E-07
11	9	22	23	19314.13	1	3690.25	2.7098	0.0423	0.0	0.0	0.0	0.0	3.34E-08	5.596-07
12	10	11	12	20521.44	1	3690.63	2.7096	0.0542	0.0	0.0	0.0	0.0	0 • 0	1.42E-07
6	4	52	53	13259.72	2	3690.63	2.7096	0.0400	0.0	0.0	0.0	0.0	6.03E-08	3.83E-07
10	8	31	32	18283.98	1	3692.65	2.7081	0.0400	0.0	0.0	0.0	0.0	9.69E-08	1.38E-06
6	4	61	62	15556.63	1	3693.17	2.7077	0.0400	0.0	0.0	0.0	2.34E-08	7.22E-07	6.63E-06
4	2	65	66	12039.83	2	3693.68	2.7073	0.0400	0.0	0.0	0.0	0.0	8.95E-08 ·	
3	1	79	80	14229.17	1	3693.85	2.7072	0.0400	0.0	0.0	0.0	2.67E-08	6.00E-07	4.45E-06
e	6	47	48	16704.66	1	3694.06	2.7070	0.0400	0.0	0.0	0.0	0.0	3.78E-07	4.17E-06
8	6	36	37	14633.06	2	3694.10	2.7070	0.0400	0.0	0.0	0.0	0.0	2.31E-08	1.82E-07
2	С	77	78	11112.08	2	3694.31	2.7069	0+0400	0.0	0.0	0.0	0.0	4.00E-08	1.80E-07
7	5	44	45	13839.13	2	3694.47	2.7067	0.0400	0.0	0.0	0.0	0.0	4.31E-08	3.00E-07
9	7	27	28	15538.77	2	3694.69	2.7066	0.0400	0.0	0.0	0.0	0.0	0.0	9.02E-08
12	10	10	11	20479.54	1	3694.89	2.7064	0.0545	0.0	0.0	0.0	0.0	0.0	1.35E-07
3	1	71	72	11515.21	2	3695.14	2.7063	0.0400	0.0	0.0	0.0	0.0	7.79E-08	3.746-07
1 1	9	21	22	19233.23	1	3695.28	2.7062	0.0435	0.0	0.0	0.0	0.0	3.47E-08	5.73E-07
7	5	54	55	16045.84	1	3695.31	2.7061	0.0400	0.0	0.0	0.0	1.68E-08	5.85E-07	5.81E-06
9	7	39	40	17384.73	1	3695.64	2.7059	0.0400	0.0	0.0	0.0	0.0	2.21E-07	2.71E-06
£	3	67	68	14989.13	1	3695.84	2.7057	0.0400	0.0	0.0	0.0	3.27E-08	8.82E-07	7.39E-06
4	2	73	74	14546.17	1	3696.05	2.7056	0.0400	0.0	0.0	0.0	3.51E-08	8.51E-07	6.64E-06
£	3	58	59	12474.70	2	3697.11	2.7048	0.0400	0.0	0.0	0.0	0.0	9.12E-08	5.10E-07
6	4	51	52	13075.18	2	3697.39	2.7046	0.0400	0.0	0.0	0.0	0.0	7.10E-08	4.37E-07
10	8	30	31	16170.69	1	3698.35	2.7039	0.0400	0.0	0.0	0.0	0.0	1.05E-07	1.46E-06
2	0	24	85	12724.39	1	3698.51	2.7038	0.0400	0.0	0.0,_	0.0	1.67E-08	3.33E-07	
12	10	5	10	20441.12	1	3699.07	2.7034	0.0547	0.0	0.0	0.0	0.0	0.0	1.27E-07
e	6	35	36	14505.45	2	3699.84	2.7028	0.0400	0.0	0.0	0.0	0.0	2.55E-08	1.97E-07
9	7	26	27	15442.75	2	3699.85	2.7026	0.0400	0.0	0.0	0.0	0.0	1.05E-08	9.44E-08
1 1	5	20	21	19155.82	1	3700.24	2.7025	0.0447	0.0	0.0	0.0	0.0	3.59E-08	5-85E-07
7	5	43	44	13683.11	2	3700.72	2.7022	0.0400	0.0	0.0	0.0	0.0	4.92E-08	3.34E-07
9	6	46	47	16532.89	1	3700.81	2.7021	0.0400	0.0	0.0	0.0	1.12E-08	4+38E-07	4.70E-06
6	4	60	61	15332.79	1	3700.86	2.7021	0.0400	0.0	0.0	0.0	3.02E-08	8.83E-07	7.82E-06
4	2	64	65	11868.00	2	3701.25	2.7018	0.0400	0.0	0.0	0.0	0.0	1.10E-07	5.55E-07

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VU	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	*****	** INTEGRAT	ED ** ABSOR	PTION ** CO	EFFICIENT *	****
				STATE		NUMBER	LENGTH	WIDTH			CM-2*			
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
													. = 1200	1000
5	7	36	39	17242.29	1	3701.85	2.7014	0.0400	0.0	0.0	0.0	0.0	2.47E-07	2.97E-06
7	5	53	54	15848.09	1	3702.53	2.7009	0.0400	0.0	0.0	0.0	2.116-08	6.98E-07	6.71E-06
2	0	76	77	10836.05	2	3702.62	2.7008	0.0400	0.0	0.0	0.0	0.0	5.15E-08	2.22E-07
3	1	78	79	13937.00	1	3702.71	2.7007	0.0400	0.0	0.0	0.0	3.756-08	7.87E÷07	5.57E-06
3	1	70	71	11261.30	2	3703.08	2.7005	0.0400	0.0	0.0	0.0	0.0	9.83E-08	4.53E-07
12	ιc	8	9	20406.19	1	3703.19	2.7004	0.0550	0.0	0 • C	0.0	0.0	0.0	1.18E-07
5	3	66	67	14742.56	1	3703.92	2.6998	0.0400	0.0	0.0	0.0	4.346-08	1.10E-06	8.89E-06
10	8	29	36	18060.90	1	3703.94	2.6998	C.0400	0.0	0.0	0.0	0.0	1 • 13E-07	1.556-06
€	4	50	51	12893.99	2	3704.09	2.6957	0.0400	0.0	0.0	0.0	0.0	8.31E-08	4.985-07
5	Ε	57	58	12268.22	2	3704.25	2.6996	0.0400	0.0	0.0	0.0	0.0	1.10E-07	5.94E-07
4	2	72	73	14276.81	1	3704.53	2.6994	0.0400	0.0	0.0	0.0	4.79E-08	1.09E-06	8.15E-06
ş	7	26	26	15350.11	2	3704.95	2.6991	G.0400	0.0	0.0	0.0	0.0	1.11E-08	9.84E-08
11	S	19	20	15081.91	1	3705.14	2.6990	0.0458	0.0	0.0	0.0	0.0	3.685-08	5.94E-07
8	6	34	35	14381.22	2	3705.52	2.6987	0.0400	0.0	0.0	0.0	0.0	2.80E-08	2.136-07
7	5	42	43	13530.48	2	3706.91	2.6977	0.0400	0.0	0.0	0.0	0.0	5.58E-08	3.70E-07
12	10	7	8	20374.75	1	3707.24	2.6574	0.0574	0.0	0.0	0.0	0.0	0.0	1.088-07
8	6	45	46	16364.60	1	3707.50	2.6572	0.0400	0.0	0.0	0.0	1.35E-08	5.06F-07	5.28E-06
2	0	E3	84	13412.71		3707.70	2.6971	0.0400	0.0	0.0	0.0	2.4 IE-08	4.45E-07	2.90E-06
ç	7	37	38	17103.34	1	3707.99	2.6969	0.0400	0.0	0.0	0.0	0.0	2.76E-07	3.25E-06
€	4	59	60	15112.37	1	3708.49	2.6965	0.0400	0.0	0.0	0.0	3.87E-08	1.08E-06	9.19E-06
4	2	63	64	11579.50	2	3708.76	2.6963	0.0400	0.0	0.0	0.0	1.14E-08	1.36E-07	6.58E-07
10	ε	28	29	17954.60	1	3709.47	2.6958	0.0400	0.0	0.0	0.0	0.0	1.22E-07	1.64E-06
7	5	52	53	15653.78	1	3709.69	2-6956	C.0400	0.0	0.0	0.0	2.625-08	8.28E-07	7.72E-06
11	S	16	19	19011.50	1	3709.97	2.6954	0.047C	0.0	0.0	0.0	0.0	3.76E-08	6.00E-07
S	7	24	25	15260.88	2	3709.98	2.6954	0.0400	0.0	0.0	0.0	0.0	1.17E-08	1.02E-07
€	4	49	50	12716.17		3710.73	2.6949	0.0400	0.0	0.0	0.0	0.0	9.71E-08	5.65E-07
2	С	75		10563.28	2	3710.87	2.6948	0+040C	0.0	0.0	0.0	0.0	6.63E-08	2.736-07
3	1	59	70	11013.69	2	3710.9 <i>6</i>	2.6947	0.0460	0.0	0.0	0.0	1.19E-08	1.24E-07	5.47E-07
8	6	33	34	14260.39		3711.14	2.6946	0.0400	0.0	0.0	0.0	0.0	3.06E-08	2.28E-07
12	10	6	7	20346.80		3711.22	2.6945	C.0597	0.0	0.0	0.0	0.0	0.0	9.71E-08
S	3	56	57			3711.33	2.6945	0.0400	0.0	0.0	0.0	0.0	1.32E-07	6.90E-07
3	1	77	78	13648.17	1	3711.52	2.6943	0.0400	0.0	0 • C	0.0	5.26E-08	1.03E-06	6.95E-06
5	3	65	66	14499.39	1	3711.95	2.694C	0.0400	0.0	0.0	0.0	5.74E→08	1.38E-06	1.07E-05
4	2	71	72	14010.82		3712.95	2.6933	0.0400	0.0	0.0	0 • ŏ	6.52E-08	1.39E-06	9.97E-06
7	5	41		13381.23		3713.05	2.6932	C • 0400	0.0	0.0	0.0	0.0	6.32E-08	4.09E-07
9	7	36	37	16967.88		3714.07	2.6925	0.0400	0.0	0.0	0.0	0.0	3.07E-07	3.54E-06
8 '	6	44	45	16199.77		3714.12	2.6924	0.0400	0.0	0.0	0.0	1.61E-08	5.82E-07	5.92E-06
11	9	17	18	18944.59		3714.73	2.6920	0.0482	0.0	0.0	0 + 0	0.0	3.82E-08	6.02E-07
10	6	27		17851-80		3714.93	2.6918	0.0400	0.0	0.0	0.0	0.0	1.31E-07	1.735-06
9	7	23	24	15175.05		3714.9€	2.6918	0.0412	0.0	0.0	0.0	0.0	1.226-06	1.06E-07
12	10	5	6	20322.34	1	3715.13	2.6917	0.0621	0.0	0.0	0.0	0.0	0.0	8.52E-08
6	4	92	59	14895.39		3716.05	2.6910	0.0400	0.0	0.0	0.0	4.96E-08	1.31E-06	1.08E-05
4	2	62	63	11354.33		3716.22	2.6909	0.0400	0.0	0.0	0.0	1.48E~08	1.66E-07	7.77E-07
8	6	32	33	14142.96		3716.70	2.6906	0.0400	0.0	0.0	0.0	0.0	3.346-08	2.44E-07
7	5	13	52	15462.93	1	3716.79	2.6905	0.0400	0.0	0.0	0.0	3.24E~08	9.80E-07 '	8.86E-06
2 6	0	82	58	13104.36		3716.83	2.6905	0.0400	0.0	0.0	0.0	3.46E-08	5.93E-07	3.68E-06
5	4	4 8 5 5	49 56	12541.73		3717.31	2.6901	0.0400	0.0	0.0	0.0	0.0	1.13E-07	6.39E-07
3	1	83	69	11865.33		3718.35	2.6894	C.0400	0.0	0.0	0.0	1.24E-08	1.57E-07	7.99E-07
12	1 C	4	5	10763.38		3718.79	2.6890	0.0400	0.0	0.0	0.0	1.58E-08	1.55E-07	6.59E-07
2	0	74	75	20301.37		3718.97	2.6889	0.0645	0.0	0.0	0.0	0.0	0.0	7.256-08
7	5	4·C	41	13235.37		3719.06 3719.12	2.6889	0.0400	0.0	0.0	0.0	0.0	8.50E-08	3.36E-07
11	ç	16		18881.18		3719.42	2.6888 2.6886	0.0400	0.0	0.0	0.0	0.0	7.12E-08	4.50E-07
	•		• •		•	-117176	210000	0.0493	0.0	0.0	0.0	0.0	3.855-08	6.01E-07

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

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VU	VL	JU	JL	LOVER	CODE	WAVE	WAVE	HALF	******	** INTEGRA		RPTION ** CO	EFFICIENT *	*****
				STATE		NUMBER	LENGTH _	N2 NZ	T = 300	T = 600	T = 900	*ATM-1 T = 1200	T = 1500	T = 1800
				ENERGY		CM-1	MICHUN	NZ	1 = 300	1 = 600			1 - 1500	1 - 1000
											· •• •	***		
9	7	22	23	15092.63	2	3719.87	2.6883	0.0423	0.0	0.0	0.0	0.0	1.286-08	1.09E-07
5	3	64	65	14259.63	1	3719.92	2.6882	0.0400	0.0	0.0	0.0	7.55E-08	1.71E-06	1.28E-05
9	7	35	36	16835.92	1	3720.09	2.6881	0.0400	0.0	0.0	0.0	0.0	3-415-07	3.84E-06
3	1	76	77	13362.69	1	3720.27	2.6880	0.0400	0.0	0.0	0.0	7.33E-08	1.34E-06	8.65E-06
10	8	26	27	17752.52	1	3720.33	2.6879	0.0400	0.0	0.0	0.0	0.0	1.39E-07	1.81E-06
8	6	43	44	16038.43	1	3720.69	2.6877	0.0400	0.0	0.0	0.0	1.926-08	6.67E-07	6.61E-06
4	2	7 C	71	13748.23	1	3721.31	2.6872	0.0400	0.0	0.0	0.0	8.83E~08	1.77E-06	1.22E-05
8	6	21	32	14028.93	2	3722.20	2.6866	0.0400	0.0	0.0	0.0	0.0	3.63E-08	2.60E-07
12	10	3	4	20283.89	1	3722.75	2.6862	0.0676	0.0	0.0	0.0	.0.0	0.0	5,91E-08
6	4	57	58	14681.85	1	3723.56	2.6856	0.0400	0.0	0.0	0.0	6.32E-08	1.59E-06	1.27E-05
4	2	61	62	11132.49	2	3723.62	2.6856	0.0400	0.0	0.0	0.0	1.90E-08	2.03E-07	9.16E-07
6	4	47	48	12370.66	2	3723.83	2.6854	0.0400	0.0	0.0	0.0	0.0	1.31E-07	7.20E-07
7	5	50	51	15275.54	1	3723.83	2.6854	0.0400	0.0	0.0	0.0	4.00E-08	1.15E-06	1.01E-05
11	g	15	16	16821.29	1	3724.05	2.6852	0.0505	0.0	0.0	0.0	0.0	3.856-08	5.96E-07
- 9	7	21	22	15013.62	_	3724.72	2.6848	0.0435	0.0	0.0	0.0	0.0	1.32E-08	1.11E-07
7	5	39	4 C	13092.91	2	3725.14	2.6845	0.0400	0.0	0.0	0.0	0.0	7.99E-08	4.94E-07
5	3	54	55	11668.92	ž	3725.32	2.6843	0.0400	0.0	0.0	0.0	1.54E-08	1.87E-07	9.22E-07
10	ē	25	26	17656.73	ī	3725.66	2.6841	0.0400	0.0	0.0	0.0	0.0	1.48E-07	1.90E-06
2	ō	81	82	12799.33	1	3725.91	2.6839	0.0400	0.0	0.0	0.0	4.94E-08	7.88E-07	4.65E-06
9	7	34	35	16707.46	1	3726.04	2.6838	0.0400	0.0	0.0	0.0	0.0	3.76E~07	4.15E-06
12	10	2	3	20269.91	ī	3726.45	2.6835	0.0707	0.0	0.0	0.0	0.0	0.0	4.50E-08
3	- 1	67	68	10519.39	2	3726.56	2.6834	0.0400	0.0	0.0	0.0	2.10E-08	1.93E-07	7.92E-07
9	6	42	43	15880.58	1	3727.19	2.6830	0.0400	0.0	0.0	0.0	2.28E-08	7.61E-07	7.36E-06
2	ō	73	74	10027.60	2	3727.20	2.6830	0.0400	0.0	0.0	0.0	1.32E-08	1.09E-07	4-11E-07
8	6	30	31	13518.32	2	3727.64	2.6827	0.0400	0.0	0.0	0.0	0.0	3.92E-08	2.76E-07
5	3	63	64	14023.30	1	3727.82	2.6825	0.0400	0.0	0.0	0.0	9.89E-08	2.12E-06	1.52E-05
11	9	14	15	18764.90	i	3728.61	2.6820	0.0517	0.0	0.0	0.0	0.0	3.83E-08	5.87E-07
3	í	75	76	13080.58	ī	3728.97	2.6817	0.0400	0.0	0.0	0.0	1.02E-07	1.74E-06	1.07E-05
9	7	20	21	14938.02	2	3729.51	2.6813	0.0447	0.0	0.0	0.0	0.0	1.36E-08	1.13E-07
4	2	69	70	13489.02	1	3729.61	2.6812	0.0400	0.0	0.0	0.0	1.19E-07	2.246-06	1.48E-05
12	10	i	2	20259.43	i	3730.09	2.6809	0.0738	0+0	0.0	0.0	0.0	0.0	3.04E-08
, 1 c	4	46	47	12202.98	ż	3730.30	2.6807	0.0400	0.0	0.0	0.0	1.09E-08	1.51E~07	8.10E-07
7	5	49	50	15091.63	1	3730.81	2.6804	0.0400	0.0	0.0	0.0	4.90E-08	1.36E-06	1.16E-05
10	ě	24	25	17564.47	i	3730.92	2.6803	0.0400	0.0	0.0	0.0	0.0	1.56E-07	1.97E-06
4	2	60	61	10914.00	ż	3730.96	2.6803	0.0400	0.0	C.O	0.0	2.43E-08	2.47E-07	1.08E-06
6	4	56	57	14471.76	1	3731.00	2.6802	0.0400	0.0	0.0	0.0	8.03E-08	1.91E-06	1.48E-05
7	5	36	39	12953.84	2	3731.09	2.6802	0.0400	0.0	0.0	0.0	0.0	8.94E-08	5.40E-07
9	7	32	34	16582.50	1	3731.93	2.6796	0.0400	0.0	0.0	0.0	1.04E-08	4.13E-07	4.47E-06
5	3	53	54	11475.88	2	3732.22	2.6794	0.0400	0.0	0.0	0.0	1.92E-08	2.22E-07	1.06E-06
8	ě	29	30	13811.11	2	3733.02	2.6788	0.0400	0.0	0.0	0.0	0.0	4.22E-08	2.928-07
11	9	13	14	18712.02	1	3733.10	2.6787	0.0528	0.0	0.0	0.0	0.0	3.78E-08	5.74E-07
ė	6	41	42	15726.23	1	3733.62	2.6784	0.0400	0.0	0.0	0.0	2.69E-08	8.655-07	8-16E-06
12	10	o c	1	20252.43	1	3733.65	2.6783	0.0769	0.0	0.0	0.0	0.0	0.0	1.53E-08
9	7	19	20	14665.84	2	3734.23	2.6779	0.0458	0.0	0.0	0.0	0.0	1.40E~08	1.15E-07
3	í	66	67	10278.73	2	3734.28	2.6779	0.0400	0.0	0.0	0.0	2.77E-08	2.41E-07	9.48E-07
2	ō	80	81	12457.64	1	3734.28	2.6774	0.0460	0.0	0.0	0.0	7.02E-08	1.04E-06	5.87E-06
2	G	72	73	9764.71	2	3735.28	2.6772	0.0400	0.0	0.0	0.0	1.80E-08	1.38E-07	5.02E-07
5	3	62	63	13790.39	1	3735.67	2.6769	0.0400	0.0	0.0	0.0	1.29E-07	2.61E-06	1.81E-05
10	ē	23	24	17475.72	1	3736.12	2.6766	0.0412	0.0	0.0	0.0	0.0	1 • 64E-07	2.04E-06
€	4	45	46	12038.69	2	3736.70	2.6762	0.0400	0.0	0.0	0.0	1.31E-08	1.74E-07	9.07E-07
7	5	37	38	12818.19	2	3736.99	2.6760	C.040C	0.0	0.0	0.0	0.0	9.96E-08	5.89E-07
11	9	12	13	18662.66	ī	3737.53	2.6756	0.0540	0.0	0.0	0.0	0.0	3.69E-08	5.57E-07
3	1	74	75	12801.85		3737.60	2.6755	0.0400	0.0	0.0	0.0	1.41E~07	2.25E-06	1.33E-05
3	•	, 4	, 5	.2601000	•	0131400	20100	3.0400	0.0	~~~	0.0	10411-01		

γu	٧L	JU	JŁ.	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRAT		RPTION ** COS	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	7 = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	5	48	49	14911.20	1	3737.72	2.6754	0.0400	0.0	0.0	0.0	5.99E-08	1.59E-06	1.31E-05
9	7	32	33	16461.06		3737.75	2.6754	0.0400	0.0	0.0	0.0	1.18E-08	4.52E-07	4.80E-06
4	2	6 E	69	13233.23		3737.86	2.6753	0.0400	0.0	0.0	0.0	1.60E-07	2.83E-06	1.79E-05
4	2	55	60	10698.87	2	3738.25	2.6750	0.0400	0.0	0.0	0.90	3.11E-08	2.99E-07	1.26E-06
8	€	28	29	13707.32		3738.33	2.6750	0.0400	0.0	0.0	0.0	0.0	4.53E-08	3.09E-07
€	4	5,3	56	14265.13		3738.39	2.6749	0.0460	0.0	0.0	0.0	1.01E-07	2.30E-06	1.726-05
9	7	18	19	14797.07	2	3738.90	2.6746	0.047C	0.0	0.0	0.0	0.0	1.43E-08	1.16E-07
5	3	52	53	1128é.22		3739.07	2.6745	C+0400	0.0	0.0	0.0	2.37E-08	2.63E-07	1.22È-06
3	6	40	41	15575.37		3740.00	2.6738	C.0400	0.0	0.0	0.0	3.15E-08	9.80E-07	9.02E-06
12	10	1	0	20248.94		3740.57	2.6734	0.0769	0.0	0.0	0.0	0.0	0.0	1.55É-08
10	9	22	23	17390.49	1	3741.25	2.6729	0.0423	0.0	0.0	0.0	0.0	1.71E-07	2.11E-06
11	9	11	12	18616.82	1	3741.88	2.6725	0.0542	0.0	0.0	0.0	0.0	3.58E-08	5•36É→07
3	1	65	66	10041.41	2	3741.94	2.6724	0.0400	0.0	0.0	0.0	3.63E-08	2.98E-07	1-13E-06
7	5	3€	37	12685.95	2	3742.82	2.6718	0.0400	0.0	0.0	0.0	0.0	1.10E-07	6.40E-07
6	4	44	45	11877.80	2	3743.05	2.6716	0.0400	0.0	0.0	0.0	1.56E-08	1.99E-07	1.01E-06
2	G	71	72	9505.12	2	3743.31	2.6714	0.0400	0.0	0.0	0.0	2.42E-08	1.75E-07	6-11E-07
5	3	61	62	13560.93	1	3743.45	2.6713	G+040C	0.0	0.0	0.0	1.68E-07	3.21E-06	2.14E-05
ç	7	17	18	14731,73	2	3743.49	2.6713	0.0482	0.0	0.0	0.0	0.0	1.45E-08	1.16E-07
9	7	31	32	16343.14	1	3743.51	2.6713	0.0400	0.0	0.0	0.0	1.325-08	4.93E-07	5.13E-06
8	E	27	28	13606.95	2	3743.59	2.6712	0.0400	0.0	0.0	0.0	0.0	4-84E-08	3.256-07
2	٥	75	80	12199.31	1	3743.89	2.6710	0.0400	0 • C	0.0	0.0	9.95E-08	1.38E-06	7.38E-06
12	10	2	1	20252.43	1	3743.93	2.6710	0.0738	0 • C	0.0	0.0	0.0	0.0	3.11E-08
7	5	47	48	14734.27	1	3744.57	2.6705	C+C400	0.0	0.0	0.0	7.28E-08	1.85E-06	1.49E-05
4	2	58	59	10487.10	2	3745.48	2.6699	0.0400	0.0	0.0	C • O	3.95E-08	3.62E-07	1.47E-06
6	4	5 4	55	14061.97	1	3745.71	2.6697	0.0400	0.0	0.0	0.0	1.28E-07	2.76E-06	1.996-05
5	3	51	52	11099.95	2	3745.86	2.6696	0.0400	0.0	0.0	0.0	2.926-08	3.09E-07	1.39E-06
4	2	67	68	12980.85	1	3746.04	2.6695	0.0460	0.0	0.0	0.0	2.14E-07	3.57E-06	2.17E-05
3	1	73	74	12526.50	1	3746.17	2.6694	0.0400	0.0	0.0	0.0	1.94E-07	2.89E-06	1.64E-05
11	9	16	11	18574.50	1	3746.17	2.6694	0.0545	0.0	0.0	0.0	0.0	3.43E-08	5.10E-07
10	8	21	22	17208.79	1	3746.31	2.6653	0.0435	0.0	0.0	0.0	0.0	1.78E-07	2.16E-06
е	€	35	4 C	15428.02	1	3746.31	2.6693	0.0400	0.0	0.0	0.0	3.686-08	1 - 10E-06	9.94E-06
12	10	3	2	20259.43	1	3747.21	2.6687	0.0707	0.0	0.0	0.0,	0.0	0.0	4.67E-08
5	7	16	17	14669.81	2	3748.03	2.6681	0.0493	0.0	0.0	0.0	0.0	1.46E-08	1.16E~07
7	5	35	36	12557.12	2	3748.6C	2.6677	C+0400	0.0	0.0	0.0	0.0	1.22E-07	6.92E-07
8	6	26	27	13510.01		3748.78	2.6675	0.0400	0.0	0.0	0.0	0.0	5.14E-08	3.40E-07
9	7	30	31	16228.73	1	3749.20	2.6672	0.0400	0.0	0.0	0.0	1.47E-08	5.34E-07	5.46E-06
6	4	42	44	11720.32	2	3749.33	2.6671	0.0400	0.0	0.0	0.0	1.855-08	2.27E-07	1.13E-06
3	1	64	65	9807.43	2	3749.54	2.6670	0.0400	0.0	0.0	0.0	4.745-08	3.69E-07	1.35E-06
11	9	9	10	18535.70	1	3750.39	2.6664	0.0547	0.0	0.0	0.0	0.0	3.25E-08	4.81E-07
12	10	4	3	20265.91	1	3750.43	2.6664	0.0676	0.0	0.0	0.0	0.0	0.0	6.21E-08
5	3	6 C	61	13334.93	1	3751.18	2.6658	0.0400	0.0	0.0	0.0	2.17E-07	3.93E-06	2.53E-05
2	C	70	71	9248.86	2	3751.29	2+6657	0.0400	0.0	0.0	0.0	3.26E-08	2 22E-07	7.41E-07
10	ε	2 C	21	17230.61	1	3751.31	2.6657	0.0447	0.0	0.0	0.0	0.0	1 • 84E-07	2.21E-06
7	5	4€	47	14560.82	1	3751.36	2.6657	0.0400	0.0	0.0	0.0	8.81E-08	2.15E-06	1.68E-05
ç	7	15	16	14611.32		3752.51	2.6649	0.0505	0.0	0.0	0.0	0.0	1.466-08	1.15E-07
8	6	38	39	15284.19		3752.55	2.6649	0.0400	0.0	0.0	0.0	4-285-08	1.24E-06	1.09E-05
Ē	3	50	51	10917.06		3752.59	2.6648	0.0400	0.0	0.0	0.0	3.50E-08	3.63E-07	1.59E-06
4	2	57	56	10278.70		3752.65	2.6648	0.0400	0.0	0.0	0.0	5.01E-08	4-36E-07	1.72E-06
2	ō	78	79	11904.34	1	3752.79	2.6647	0.0400	0.0	0.0	0.0	1.40E-07	1.81E-06	9.26E-06
6	4	53	54	13862.29	î	3752.97	2 6646	0.0400	0.0	0.0	0.0	1.60E+07	3+29E-06	2.31E-05
12	10	5	4	20283.89		3753.57	2.6641	0.0645	0.0	0.0	0.0	0.0	0.0	7.72E-08
ε.	6	25	26	13416.50		3753.91	2.6639	0.0400	0.0	0.0	0.0	0.0	5.45E-08	3.55F-07
4	2	66	67	12731.90		3754.16	2.6637	0.0400	0.0	0.0	0.0	2.85E-07	4.47E-06	2.62E-05
·	_				-	_, _, , , , ,		3.0,00	***			2000 01	**** OO	OEL 03

VÜ	٧L	JU	JL	LOWER State	CODE	WAVE	WAVE LENGTH	HALF Wicth	*****	** INTEGRAT	ED ** ABSOR! CM-2*		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	9	34	35	12431.72	2	3754.31	2.6636	0.0400	0.0	0.0	0.0	0.0	1.34E-07	_, 7•47E-07
11	Š	E	9	18500.42	1	3754.55	2.6634	0.0550	0.0	0.0	0.0	0.0	3.04E-08	4.47E-07
3	i	72	73	12254.55		3754.69	2.6633	0.040C	0.0	0.0	0.0	2.65E-07	3.72E-06	
ş	7	29	30	16117.86		3754 83	2.6632	0.0400	0.0	0.0	0.0	1.63E-08	5.77E-07	5.80E-06
é	4	42	43	11566.25		3755.56	2.6627	0.0400	0.0	0.0	0.0	2.18E-08	2.595-07	1.25E-06
10	ē	19	20	17155.96		3756.24	2.6622	0.0458	0.0	0.0	0.0	0.0	1.895-07	2.24E-06
12	10	6	5	20301.37		3756.65	2.6619	0.0621	0.0	0.0	0.0	0.0	0.0	9.19E-08
9	7	14	15	14556.26		3756.92	2.6618	0.0517	0.0	0.0	0.0	0.0	1.45E-08	1-13E-07
ž	i	63	64	9576.80		3757.09	2.6616	0.0400	0.0	0.0	0.0	6-17E-08	4.546-07	1.60E-06
7	5	45	46	14390.88		3758.09	2.6609	0.0400	0.0	0.0	0.0	1.06E-07	2.48E-06	1.89E-05
11	5	7	8	18468.66		3758.63	2.6605	0.0574	0.0	0.0	0.0	0.0	2.805-08	4.09E-07
e	6	37	38	15143.88		3758.73	2.6605	0.0400	0.0	0.0	0.0	4.96E-08	1.39E-06	1.19E-05
5	3	59	60	13112.37		3758.84	2.6604	0.0400	0.0	0.0	0.0	2.79E-07	4.80E-06 ,	
8	6	24	25	13326.42		3756.98	2.6603	0.040C	0.0	0.0	0.0	0.0	5.74E-08	3.68E-07
2	Ğ	65	70	8995.93		3759.21	2.6601	0.040C	0.0	0.0	0.0	4.36E-08	2.79E-07	8.97E-07
5	. 3	49	50	10737.57		3759.27	2.6601	0.04CC	0.0	0.0	0.0	4.37E-08	4.25E-07	1+80E-06
12	10	7	6	20322.34	1	3759 65	2.6598	0.0597	0.0	0.0	0.0	0.0	0.0	1.06E-07
4	2	56	57	10073.68		3759.76	2.6597	0.040C	0.0	0.0	0.0	6.32E-08	5.24E-07	2.00E-06
7	5	33	34	12309.75		3759.97	2.6596	0.0400	0.0	0.0	0.0	1.04E-08	1.47E-07	8.03E-07
6	4	52	53	13666.09		3760.17	2,6595	0.0400	0.0	0.0	0.0	1.995-07	3.92E-06	2.66E-05
9	7	28	29	16010.51	1	3760.39	2.6593	0.0400	0.0	0.0	0.0	1.80E-08	6.21E-07	6-14E-06
10	٤	16	19	17084.85	1	3761.11	2.6588	0.047C	0.0	0.0	0.0	0.0	1.936-07	2.26E-06
9	7	13	14	14504.62	2	3761.26	2+6587	0.0528	0.0	0.0	0.0	0.0	1.42E-08	1.10E-07
2	O	77	78	11612.75	1	3761.64	2.6584	0.0400	0.0	0.0	0.0	1.97E-07	2.37E-06	1.16E-05
6	4	41	42	11415.59	2	3761.73	2.6584	C+040C	0.0	0.0	0.0	2.56E-08	2.93E-07	1,39E-06
4	2	65	66	12486.39	1	3762.23	2.6580	0.0400	0.0	0.0	0.0	3.78E-07	5.59E-06	3.14E-05
12	10	ŧ	7	20346.80	1	3762.58	2.6578	0.0574	0.0	0.0	0.0	0.0	0.0	1.195-07
11	5	€	7	18440.43	1	3762.64	2.6577	0.0597	0.0	û*0	0.0	0.0	2.53E-08	3.68E-07
3	1	71	72	11986.02	1	3763.15	2.6573	C.0400	0.0	0.0	0.0	3.62E-07	4.75E-06	2.47E-05
8	E	23	24	13239.77	. 2	3763.99	2.6568	0.0412	0.0	0.0	0.0	0.0	6.02E-08	3.81E-07
3	1	62	63	9349.53	2	3764.58	2.6563	0.0400	0.0	0.0	0.0	8.005-08	5.57E-07	1.89E-06
7	5	44	45	14224.45	1	3764.75	2.6562	C.04CC	0.C	0.0	0.0	1.27E-07	2.86E-06	2.12E-05
8	ϵ	36	37	15007.09		3764.85	2.6561	0.0400	0.C	0.0	0.0	5.71E-08	1.55E-06	1.30E-05
12	10	9	8	20374.75		3765.45	2.6557	0.0550	0.0	0.0	0.0	0.0	0.0	1.326-07
S	7	12	13	14456.43		3765.55	2.6557	0.0540	0.0	0.0	0.0	0.0	1.39E-08	1.07E-07
7	5	32	33	12151.21	2	3765.56	2.6556	0.0400	0.0	0.0	0.0	1.17E-08	1.61E-07	8.60E-07
5	3	48	49	10561.49		3765.88	2.6554	0.0400	0.0	0.0	0.0	5.31E-08	4.95E-07	_ 2.04E-06
9	7	27	26	15906.70	1	3765.89	2.6554	0.0400	0.0	0.0	0.0	1.98E-08	6.666-07	6.47E-06
1 G	٤	17	16	17017.28	1	3765.90	2.6554	0.0482	0.0	0.0	0.0	0.0	1.96E-07	
5	3	58	59	12893.29	1	3766.45	2.6550	0.0400	0.0	0.0	0.0	3.58E-07	5.85E-06	3.51E-05
11	9	5	6	18415.73		3766 59	2.6549	0.0621	0.0	0.0	0.0	0.0	2.23E-08	3.23E-07
4	2	55	56	5872.04	2	3766 82	2.6548	C.0400	0.0	0.0	0.0	7.956-08	6 • 28E-07	2.32E-06
2	C	68	69	8746.33		3767.07	2.6546	0.0400	0.0	0.0	0.0	5.82E-08	3.51E-07	1.08E-06
6	4	51	52	13473.39	1	3767.31	2.6544	0.0400	0.0	0.0	0.0	2.48E-07	4.65E-06	3.06E-05
. 6	4	4 C	41	11268.36		3767.84	2.6540	0.0400	0.0	0.0	0.0	2.95E-08	3.31E-07	
12	10	10	9	20406.19	1	3768.24	2.6538	0.0547	0.0	0.0	0.0	0.0	0.0	1.44E-07
ę	6	22	23	13156.57		3768.93	2.6533	C • C 4 2 3	0.0	0.0	0.0	0.0	6.285-08	3.92E-07
9	7	1 t	12	14411.66		3769.77	2.6527	0.0542	0.0	0.0	0.0	0.0	1.35E-08	1.03E-07
4	2	€4	65	12244.32		3770.23	2.6524	0.0400	0.0	0.0	0.0	4.98E-07	6.96E-06	3.77E-05
2	9	76 4	77 5	11324.54 18394.55	1	3770.42 3770.47	2.6522	0.0400 0.0645	0,• Q	0.0 0.0	0.0	2.76E-07 0.0	3.09E-06	1.44E-05 2.75E-07
11 10	9	16	17	16953.25	1		2.6522	0.0493	0.0	0.0	0.0	0.0	1.90E-08 1.98E-07	2.27E-06
3	6	35		14673.83		3770.63 3770.90	2.6521 2.6519	0.0493	0.0 0.0	0.0	0.0	6.54E-08	1.72E-06	1.41E-05
-	·	~ ~		246,6400	•	3,10070	2.0017	010400	V. V		•••	C104500		74-96-00

VU	٧L	JU	JL	LCWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH			ED ** ABSOR	ATM-1		*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
12	10	11	10	20441.12	1	3770.96	2.6518	0.0545	0.0	0.0	0.0	0.0	0.0	1.55E-07
7	5	31	32	12076.10	2	3771.09	2.6518	0.0400	0.0	0.0	0.0	1.30E-08	1.74E-07	9.17E-07
9	7	26	27	15806.43	1	3771.32	2.6516	0.0400	0.0	0.0	0.0	2.16E-08	7.11E-07	6.79E-06
7	5	43	44	140€1.54	1	3771.35	2.6516	0.0400	0.0	0.0	0.0	1.52E-07	3.28E-06	2.37E-05
Ξ	1	7 C	71	11720.90	.1	3771.54	2.6514	G•0400	0.0	0.0	0.0	4.92E-07	6.06E-06	3.02E-05
3	1	61	62	9125.64	2	3772.01	2.6511	0.0400	0.0	0.0	0.0	1.03E-07	6.82E-07	2.24E-06
5	3	47	48	10388.82	2	3772.44	2.6508	C.0400	0.0	0.0	0.0	6.42E-08	5.74E-07	2.31E-06
12	10		: 1.1	20479.54	1	3773.61	2.6500	0.0542	0.0	0+0	0.0	0.0	0.0	1.65E-07
ξ	6	21	22	13076.80	2	3773.81	2.6498	0.0435	0.0	0.0	0.0	0.0	6.51E-08	4.026-07
4	2	54	65	9673.80	2	3773.82	2.6498	0.0400	0.0	0.0	0.0	9.94E-08	7.49E-07	2.68E-06
€	4	29	40	11124,55	2	3773.89	2.6498	0.040C	0.0	0.0	0.0	3.48E-08	3.72E-07	1.68E-06
9	7	10	11	14370.33	2	3773.92	2.6498	0.0545	0.0	0.0	0.0	0.0	1.295-08	9.79E-08
5	3	57	58	12677.69	1	3773.99	2.6497	0.0400	0.0	0.0	0.0	4.50É-07	7.106-06	4.12E-05
11	ç	3	4	18376,90	1	3774.28	2.6495	0.0676	0.0	0.0	0.0	0.0 -	1.556-08	2.24F-07
6	4	5 C	51	13264.19	1	3774.38	2.6494	0.0400	0.0	0.0	0.0	3.06E-07	5.49E-06	3.50E-05
2	С	67	68	8500.09	2	3774.87	2.6491	0.0400	0.0	0.0	0.0	7.73E-08	4.39E-07	1.305-06
10	8	15	16	16892.75	1	3775.30	2.6488	0.0505	0.0	0.0	0.0	0.0	1.985-07	2.256-06
12	10	13	12	20521.44	1	3776.18	2.6482	0.0540	0.0	0.0	0.0	0.0	0.0	1.73E-07
7	5	30	31	11964.44	2	3776.56	2.6479	0.0400	0.0	0.0	0.0	1.45E-08	1.89E-07	9.75E-07
9	7	25	26	15709.71	1	3776.69	2.6478	0.0400	0.0	0.0	0.0	2.35E-08	7.55E-07	7-11E-06
e	ε	34	35	14744.11	1	3776.89	2.6477	0.0400	0.0	0.0	0.0	7.45E-08	1.90E-06	1.53E-05
7	5	42	43	13902.14	1	3777.88	2.6470	0.0400	0.0	0.0	0.0	1.80E-07	3.75€-06	2.65E-05
9	7	g	10	14332.44	2	3778.02	2.6469	0.0547	0.0	0.0	0.0	0.0	1.226-08	9.22E-08
11	9	2	3	18362.78	1	3778.02	2.6469	0.0707	0.0	0.0	0.0	0.0	1.19E-08	1.71E-07
4	2	63	64	12005.71	1	3778.17	2.6468	0.0400	0.0	0.0	0.0	6.55E-07	8.64E-06	4.50E-05
8	Έ	20	21	13000.48	2	3778.63	2.6465	0.0447	0.0	0.0	0.0	0.0	6.72E-08	4.10E-07
12	10	14	13	20566.83	1	3778.69	2.6464	0.0528	0.0	0.0	0.0	0.0	0.0	1.81E-07
5	3	46	47	10219.57	2	3778.94	2.6462	0.0400	0.0	`o.o	0.0	7.74E-08	6.64E-07	2.59E-06
2	C	75	76	11039.74	1	3779.15	2 +6461	0.0400	0.0	0.0	0.0	3.84E-07	4.02E-06	1.80E-05
3	1	€G	61	8905.12	2	3779.39	2.6459	C.0400	0.0	0.0	0 • C	1.335-07	8.31E-07	2.63E-C6
3	1	69	70	11459.21	1	3779.88	2.6456	0.0400	0.0	0.0	0.0	6.65E-07	7.71E-06	3.68E-05
6	4	38	39	10984.19	2	3779.88	2.6456	0.0400	0.0	0.0	0.0	4.03E-08	4.16E-07	1.84E-06
10	8	14	15	16835.81	1	3779.89	2.6456	0.0517	0.0	0.0	0.0	0.0	1.97E-07	2.22F-06
4	2	53	54	\$47E.96	2	3780.76	2.6450	0.0400	0.0	0.0	0.0	1.24E-07	8.90E-07	3.09E-06
12	10	16	14	20615.70	1	3781.12	2.6447	0.0517	0.0	0.0	0.0	0.0	0.0	1.87E-07
6	4	45	50	13098.50	1	3781.39	2.6445	0.0400	0.0	0.0	0.0	3.76E-07	6.45E-06	4.00E-05
5	3	56	57	12465.57	1	3781.47	2.6445	0.0400	0.0	0.0	0.0	5.83E-07	8.60E-06	4.82E-05
11	9	1	2	18352.19	1	3781.69	2.6443	C.0738	0.0	0.0	0.0	0.0	0.0	1.156-07
7	5	29	30	11856.22	2	3781.97	2.6441	0.0400	0.0	0.0	0.0	1.60E-08	2.03E-07	1.03E-06
9	7	24	25	15616.54	1	3781.98	2.6441	0.0400	0.0	0.0	0.0	2.54E-08	7.98E-07	7.40E-06
9	7	8	9	14257.99	2	3782.05	2.6441	0.0550	0.0	0.0	0.0	0.0	1 - 14E-08	8.572-08
2	G	66	67	8257.20	2	3782.62	2.6437	0.0400	0.0	0.0	0.0	1.025-07	5.48E-07	1.56E-06
8	6	33	34	14617.93	1	3782.81	2.6435	0.0400	0.0	0.0	0.0	8.45E-08	2.09E-06	1.655-05
8	€	19	20	12927.62	2	3783.39	2.6431	0.0458	0.0	0.0	0.0	0.0	6.90E-08	4.16E-07
12	10	16	15	20668.05	1	3783.48	2.6431	0.0505	0.0	0.0	0.0	0.0	0.0	1.93E-07
7	5	41	42	13746.29	1	3784.36	2.6425	0.0400	0.0	0.0	0.0	2.13E-07	4.27E-06	2.94E-05
10	8	13	14	16782.41	1	3784.42	2.6424	0.0528	0.0	0.0	0.0	0.0	1.95E-07	2.17E-06
11	9	C	1	18345.12	1	3785.29	2.6418	0.0769	0.0	0.0	0.0	0.0	0.0	5.826-08
5	Ε	45	46	10053.75	2	3785.38	2+6417	0.0400	0.0	0.0	0.0	9.27E-08	7.65E-07	2.91E-06
12	16	17	16	20723.88	1	3785.77	2.6415	0.0493	0.0	0.0	0.0	0.0	0.0	1.97E-07
€	4	37	зе	10847.26	2	3785.8C	2.6414	0.0400	0.0	0.0	0.0	4.65E-08	4.64E-07	2.00E-06
9	7	7	8	14266.98		3786.01	2.6413	0.0574	0.0 '	0.0	0.0	0.0	1.05E-08	7.84F-08
4	2	62	63	11770.57		3786.06	2.6413	0.0400	0.0	0.0	1.09E-08	8.565-07	1.07E-05	5.36E-05
					_	·				***	,			

vu	VL	JÜ	JL	LOWER	CODE	WAVE	WAVE	HALF	*****	** INTECRAT			EFFICIENT *	******
	•			STATE		NUMBER	LENGTH	WIDTH	T = 300	T = 600	CM-2*	T = 1200	T = 1500	T = 1800
				ENERGY		CM-1	PICRON	N2	1 = 300	1 = 000	1 = 900	7 - 1200	, = 1500	1 - 1000
3	1	59	60	8687.99	2	3786.71	2.6408	0.0400	0.0	0.0	0.0	1.70E-07	1.01E-06	3.09E-06
5	7	23	24	15526.91	1	3787.22	2.6405	0.0412	0.0	0.0	0 • G	2.735-08	8.39E-07	7.67E-06
7	£	28	29	11751.45	2	3787.32	2.6404	0.0400	0.0	0.0	0.0	1.76E-08	2.19E-07	1.09E-06
4	2	52	53	9287,54		3787.64	2.6402	0.0400	0.0	0.0	0.0	1.53E-07	1.05E-06	3.55E-06
2	c	74	75	10758.35		3787.82	2.6400	0.0400	0.0	0.0	1.02E-08	5.336-07	5.22E-06 0.0	2.23E-05 2.00E-07
12	10	18	17	20783.18		3787.99	2.6399	0.0482	0.0	0.0	0.0	0.0	7.04E-08	4-19E-07
е	6	18	19	12858.20		3788.09	2.6399	0.0470	0.0	0.0	0.0	8.96E-07	9.76E-06	4.47E-05
2	1	68	69	11200.97		3788.16	2.6398	0.0400	0.0	0.0	1.44E-08 0.0	4.60E-07	7.56E-06	4.55E-05
6	4	46	49	12916.32		3788.34	2.6397	0.0400	0.0	0.0	0.0	9.53E-08	2.29E-06	1.77E-05
9	6	32	33	14495.30		3788.67	2.6394	0.0400 0.0540	0.0	0.0	0.0	0.0	, 1.90E-07	2.11E-06
10	8	12	13	16732.56 12256.95		3768.88 3788.89	2.6393 2.6393	0.0400	0.0	0.0	0.0	7.39E-07	1.04E-05	5.62E-05
5 9	3 7	55 6	56 7	14239.42		3789.91	2.6386	0.0597	0.0	0.0	0.0	0.0	0.0	7.04E-08
12	10	19	18	20845.96		3790.13	2.6384	0.0470	0.0	0.0	0.0	0.0	0.0	2.01E-07
. 2	C	65	66	8017.69		3790.32	2.6383	0.0400	0.0	0.0	0.0	1.34E-07	6.81E-07	1.87E-06
7	5	4 C	41	13593.96		3790.77	2.6380	0.0400	0.0	0.0	0.0	2.51E-07	4.84E-06	3.255-05
ė	4	36	37	10713.77		3791.67	2.6374	0.0400	0.0	0.0	0.0	5.33E-08	5.15E-07,	2.18E-06
5	3	44	45	9891.36		3791.76	2.6373	0.0400	0.0	0.0	0.0	1.11E-07	8.78E-07	3.26E-06
12	10	20	15	20912.20		3792.20	2.6370	0.0458	0.0	0.0	0.0	0.0	0.0	2.02E-07
11	9	1	0	18341.60	1	3792.28	2.6369	0.0769	0.0	0.0	0.0	0.0	0.0	5.89E-08
9	7	22	23	15440.84	1	3792.38	2.6369	C.0423	0.0	0 + 0	0.0	2.91E-08	8.77E-07	7.91E-06
7	5	27	28	11650.14	2	3792.61	2.6367	0.0400	0.0	0.0	0.0	1.93E-08	2.34E-07	1 -1 5E-06
8	6	17	18	12792.23	2	3792.72	2.6366	0.0482	0.0	0.0	0.0	0.0	7 • 14E-08	4.21E-07
10	e	11	12	16686.27	1	3793.27	2.6362	0.0542	0.0	0.0	0.0	0.0	1.85E-07	2.03F-06
9	7	5	€	14215.30		3793.75	2.6359	0.0621	0.0	0.0	0.0	0.0	0.0	6.18E-08
4	2	61	62	11538.91		3793.88	2.6358	0.0400	0.0	0.0	1.56E-08	1.12E-06	1.32E-05	6.37E-05
3	1	58	59	6474.25		3793.97	2.6358	0.0400	0.0	0.0	1.04E-08	2.17E-07	1.22E-06	3.62E-06 2.02E-07
12	10	21	20	20581.92		3794.20	2.6356	0.0447	0.0	0.0	0.0 0.0	0.0 1.07E-07	0.0 2.49E-06	1.90E-05
8	6	31	32	14376.23		3794.46	2.6354	0.0400	0.0	0.0	0.0	1.89E-07	1.24E-06	4.06E~06
4	2	51	52	9099.53 12737.67		3794.46 3795.23	2.6354 2.6349	0.0400 0.0400	0.C 0.0	0.0	0.0	5.61E-07	8.83E-06	5.17E-05
. 6	4 9	47 2	42 1	18345.12		3795.67	2.6346	0.0738	0.0	0.0	0.0	0.0	0.0	1.18E-07
11	10	22	21	21055.10		3796 13	2.6343	0.0435	0.0	0.0	0.0	0.0	0.0	2.00F-07
5	3	54	55	12051.84		3796.25	2.6342	0.0400	0.0	0.0	1+06E-08	9.32E-07	1.24E-05	6.53E-05
3	ı	67	68	10946.18		3796.38	2.6341	0.0400	0.0	0.0	2.14E-08	1.20E-06	1.23E-05	5.416-05
2	Ĝ	73	74	10480.37		3796.43	2.6341	0.0400	0.0	0.0	1.57E-08	7.36E-07	6.74E-06	2.756-05
7	5	39	40	13445.18		3797.11	2.6336	0.0400	0.0	0.0	0.0	2.93E-07	5.47E-06	3.59E-05
é	ē	16	17	12729.73		3797.29	2.6335	0.0493	0.0	0.0	0.0	0.0	7.19E-08	4.20E-07
6	4	35	36	10583.74		3797.48	2.6333	0.0400	0.0	0.0	0.0	6.08F-08	5.70E-07	2.36E-06
9	7	21	22	15358.34	1 ~	3797.48	2.6333	0.0435	0.0	0.0	0.0	3.09E-08	9.126-07	8.12E-06
9	7	4	5	14194.62	2	3797.52	2.6333	0.0645	0.0	0.0	0.0	0.0	0.0	5.26E-08
10	8	1 C	11	16643.52	1	3797.60	2.6332	0.0545	0.0	0.0	0.0	0.0	1.778-07	1.94E-06
7	5	26	27	11552.28	2	3797.83	2.6331	0.0400	0.0	0.0	0.0	2.11E-08	2.49E-07	1.20E-06
2	٥	64	65	7781.55	2	3797.96	2.6330	0.0400	0.0	0.0	1.11E-08	1.76E-07	8.43E-07	2.23E-06
12	10	23	22	21131.74		3797.98	2.6330	0.0423	0.0	0.0	0.0	0.0	0.0	1.986-07
5	3	43	44	9732.40		3798.08	2.6329	0.0400	0.0	0.0	0.0	1.31E-07	1.00E-06	3.63F-06
11	5	3	2	18352.19		3798.99	2.6323	C.0707	0.0	0.0	0.0	0.0	1.236-08	1.77E-07 1.95E-07
12	10	24	23	21211.84		3799.76	2.6317	0.0412	0.0	0.0	0.0	0.0	0.0 2.71E-06	2.02E-05
e	6	30	31	14260.70		3800.19	2.6314	0.0400	0.0	0.0	0.0 1.43E-08	1.19E-07 2.75E-07	1.48E-06	4.23E-06
3	1	57	58	E263.93		3801.17	2.6308 2.6307	0.0400	0.0	0.0	0.0	2.335-07	1.46E-06	4.64E-06
4	2	50 3	51 4	8914.94 14177.38		3801.23 3801.23	2.6307	0.0476	0.0	0.0	0.0	0.0	0.0	4.29E-08
12	10	25	24	21295.39		3801.46	2.6307		0.0	0.0	0.0	0.0	0.0	1.916-07
	- 0	2-		~ 12 3010 3	•	-441146	240044	200,00	•••				. • -	

/U	VL	". " Jn	JL.	LOWER STATE	CODE	NUMBER,	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORP CM-2*A		EFFICIENT *	*****
				ENERGY		CM→1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 180
						<u></u> ,		•		- • • ••••••			·	
4	2	60	61	11310.73	1	3801.64	2,6304	0.0400	0.0	0.0	2.25E-08	1.45E-06	1.625-05	7.54E-0
8	6	15	16	12670.68		3801.80	2.6303	0.0505	0.0	0.0	0.0	0.0	7.206-08	4.16E-0
0	6	S	10	16604.34	1	3801.85	2.6303	0.0547	0.0	0.0	,0.0	0.0	1.68E-07	1.82E-0
6	4	46	47	12562.54	1	3802.05		0.0400	0.0	0.0	0.0	6.80E-07	1.03E-05	5-84E-0
1	9	4	3	18362.78	1		2.6300	0.0676	0.0	0.0	0.0	0.0	1.64E-08	2.36E-0
9	7	20	21	15279.39	1 '	3802.52	2.6298	0.0447	0.0	0.0	0.0	3.26E-08	9.44E-07	8.30E-0
7	5	25	26	11457.88	2	3803.00	2.6295	0.0400	0.0	0.0	0.0	2.28E-08	2.64E-07	1.26E-0
12	10	26	25	21362.39	1	3803.10	2.6294	0.0400	0.0	0.0	0.0	0.0	0.0	1.86E-0
6	4	34	35	10457.16	2	3803.23	2.6293	0.0400	0.0	0.0	0.0	6.91E-08	6.28E-07	2.55E-0
7	5	эе	39	13299.95	i	3803.39	2.6292	0.0400	0.0	0.0	0.0	3.42F-07	6.15E-06	3.94E-0
5	3	53	54	11850.23	1	3803.55	2.6251	0.0400	0.0	0.0	1.45E-08	1 • 17E-06	1.49E-05	7.56E-0
5	3	42	43	9576.89	2	3804.34	2.6286	0.040C	0.0	0.0	0.0	1.55E-07	1.14E-06	4.03E-0
3	1	66	67	10694.85	1	3804.54	2.6284	0.0400	0.0	0.0	3.15E-08	1.61E-06	1.55E-05	6.54E-0
2	10	27	26	21472.84	1	3804.66	2.6284	0.0400	0.0	0.0	0.0	0.0	0.0	1.B0E-0
5	7	2	3	14163.60		3804.87	2.6282	0.0707	0 • C	0.0	0.0	0.0	0.0	3.26E-0
2	C	72	73	10205.84	1	3804.98	2.6281	0.0400	0.0	0.0	2.42E-08	1.01E-06	8.68E-06	3.39E-0
1	9	5	4	18376.90	1	3805.42	2.6278	0.0645	0.0	0.0	0.0	0.0	2.03E-08	2.93E-0
2	0	63	64	7548.79		3805.54	2.6277	0.0400	0.0	0.0	1.59E-08	2.30E-07	1.04E-06	2.65E-0
е	€	25	30	14148.75		3805.86	2.6275	C.0400	0.0	0.0	0.0	1.33E-07	2.93E-06	2.15E-0
0	ε	e	9	16568.71	1	3806.04	2.6274	0.0550	0.0	0.0	0.0	0.0	1.57E-07	1.70E-0
2	10	28	27	21566.74	-	3806.14	2.6273	0.0400	0.0	0.0	0.0	0.0	0.0	1.74E-0
8	6	14	15	12615.09		3806.24	2.6273	0.0517	0.0	0.0	0.0	0.0	7.15E-08	4 10E-0
9	7	19	20	15204.01	1	3807.48	2.6264	0.0458	0.0	0.0	0.0	3-42E-08	9.71E-07	8.44E-0
2	10	29	28	21664.07	1	3807.55	2.6264	0.0400	0.0	0.0	0.0	0.0	0.0	1.685-0
4	2	49	50	8733.79	2	3807.94	2.6261	0.0400	0.0	0.0	1.23E-08	2.85E-07	1.715-06	5.28E-0
7	5	24	25	11366.95		3808.10	2-6260	0.0400	0.0	0.0	0.0	2.46E-08	2.78E-07	1.316-0
3	1	56	57	8057.01	2	3808.32	2.6258	0.0400	0.0	0.0	1.97E-08	3.48E-07	1.78E-06	4.926-0
9	7	1	2	14153.26	2	3808.45	2.6257	0.0738	0.0	0.0	0.0	0.0	7 0.0	2.20E-0
1	9	6	5	18394.55		3808.53	2.6257	0.0621	0.0	0.0	0.0	0.0	2.41E-08	3.49E-0
6	4	45	46	12390.96		3808.81	2.6255	0.0400	0.0	0.0	0.0	8.216-07	1.195-05	6.59E-0
Š	10	30	29	21764.84		3808.89	2.6254	0.0400	0.0	0.0	0.0	0.0	0.0	1.616-0
6	4	33	34	10334.05	_	3808.92	2.6254	0.0400	0.0	0.0	0.0	7.81E-08	6.89E-07	2.74E-0
4	2	59	60	11086.05	1	3809.34	2.6251	0.0400	0.0	0.0	3.14E-08	1.87E-06	1.98E-05	8.89E-0
7	5	37	36	13158.27	_	3809.61	2.6249	0.0400	0.0	0.0	0.0	3.96E-07	6.89E-06	4.326-0
12	10	31	30	21869.04	ī	3810.15	2.6246	0.0400	0.0	0.0	0.0	0.0	0.0	
0	8	7	8	16536.64	1	3810.16	2.6246	0.0574	0.0	0.0	0.0	0.0	1.45E-07	1.54E-0
5	3	41	42	9424.83		3810.54	2.6243	0.0400	0.0	0.0	0.0	1.83E~C7		1.55E-0
8	6	13	14	12562.97		3810.62	2.6242	0.0528	0.0	0.0			1.305-06	4-47E-0
S	3	52	53	11652.14		3810.78	2.6241	0.0400	0.0	0.0	0.0 1.96E-08	0.0 1.46E-06	7.056-08	4.01E~C
2	10	32	31	21576.67		3811.34	2.6237	0.0400	0.0	0.0	0.0	0.0	1.77E-05	8.73E-0
8	6	28	29	14040.35		3811.45	2.6237	0.0400	0.0	0.0		1.47E-07	0.0	1.47E-0
11	Š	7	-6	18415.73		3811.57	2.6236	0.0597	0.0	0.0	0.0	0.0	3.16E-06	2.28E~0
ŝ	7	Ċ	ĭ	14146.36		3811.96					0.0		2.776-08	4.02E-0
9	7	18	15	15132.20		3812.38	2.6233 2.6230	0.0769 0.0470	0.0	0.0	0.0	0.0	0.0	1.11E-0
ĺ	10	33	32	22087.72		3812.46	2.6230	0.0470	0.0	0.0	0.0	3.55E-08	9.93E-07	8.536-0
3	1	65	66	10446.99		3812.64	2.6229	0.0400	0.0	0.0	0.0	0.0	0.0	1.39E-0
2	ò	62	63	7319.43		3813.06	2.6226	0.0400	0.0	0.0	4.63E~08	2.13E-06	1.94E-05	7.88E-0
7	5	23	24	11279.49		3813.14	2.6225	0.0400	0.0		2.27E-08	2.99E-07	1.285-06	3-15E-0
2	ő	71	72	11279.49	_	3813.48	2.6223	0.0412		0.0	0.0	2.64E-08	2.92E-07	1.35E-0
2	10	34	33	22202.19		3813.5C	2.6223		0.0	0.0	3.69E-08	1.39E-06	1.116-05	4 - 17E-0
2	10	60	59	26358.85				0.0400	0.0	0.0	0.0	0.0	0.0	1.32E-0
10	8	6	7	16508.13		3813.85 3814.21	2.6220 2.6218	0.0400 0.0597	0.0	0.0	0.0	0.0	0.0	9.66E-0
					4	3014021	ZACZIO	U A U D Y (1.31E-07	1.40E-0

VU	VL	บน	JL	LCWER STATE	CODE	WAVE NUMBEF	WAVE Length	HALF Width	******	*** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	_	_	_										,	• • • • • • • • • • • • • • • • • • • •
l 1	9	9	7	18440.43		3814.53	2.6216	0.0574	0.0	0.0	0.0	0.0	3.11E-08	4.53E-07_
6	4 2	32 4£	33 49	10214.39		3814.54	2.6215	0.0400	C.O	0.0	0.0	8.76E-08	7.53E-07	2.94E-06
12	10	55	58	26157.68		3814.59 3814.81	2.6215 2.6214	0.0400	0.0	0.0	1.60E-08	3.47E-07	2. COE-06	
8	-6	12	13	12514.32		3814.94	2.6213	0.0400 0.0540	0.0	0 • 0 0 • 0	0.0	0.0 0.0	0.0 6.89E-08	1.11E-08 3.89E-07
12	10	36	35	22441.36		3815.35	2.6210	0.0400	0.0	0.0	0.0	0.0	0.075-00	1.17E-07
3	1	5.5	56	7853.51		3815.41	2.6209	0.0400	0.0	0.0	2.69E-08	4.38E-07	2.13E-06	5.72E-06_
6	4	44	45	12222.92		3815.51	2.6209	0.0400	0.0	0.0	1.05E-08	9.86E-07	1.375-05	7.40E-05
12	10	58	57	25959.75		3815.68	2.6208	0.0400	0 • C	0.0	.0.0	0.0	0.0	1.27E-08
7	5	36	37	13020.16		3815.76	2.6207	0.0400	0.0	0.0	0.0	4.57E-07	7.698-06	4.71E-05
12	10	37	36	22566.05		3816.17	2.6204	0.0406	0.0	0.0	0.0	0.0	0.0	1.09E-07
12	10	57	56	25765.06	1	3816.47	2.6202	0.0400	0.0	0.0	0.0	0.0	0.0	1.45E-08
5	3	40	41	9276.23	2	3816.68	2.6201	0.0400	0.0	0.0	0.0	2.14E-07	1.47E-06	4.93E~06
12	10	35	37	22694.13	1	3816.91	2.6199	0-0400	0+0	0.0	0.0	0.0	0.0	1.02E-07
4	2	58	59	10864.87	1	3816.98	2.6199	0.0400	0.0	0.0	4.41E-08	2.40E-06	2.42E-05	1.05E-04
8	€	27	28	13935.53	1	3816.99	2.6199	0.0400	0.0	0.0	0.0	1.61E-07	3.39E-06	2.40E-05
12	10	56	55	25573.64	1	3817.19	2.6197	0.0400	0.0	0.0	0.0	0.0	0.0	1.66E-0B
9	7	17	18	15063.96		3817.22	2.6197	0.0482	0.0	0.0	0.0	3.67E-08	1.01E-06	8.57E-06
11	9	ð	8	18468.66	1	3817.43	2.6196	0.0550	0.0	0.0	0.0	0.0	3.42E-08	5.01E-07
12	10	39	38	22825.61	1	3817.57	2.6195	0.0400	0.0	0.0	0.0	0.0	0.0	9.46E-08
12	10	55	54	25385.48	1	3817.83	2.6193	0.0400	0.0	0.0		0.00	_ 0.0	1.88E-08
5	3	51	52	11457.59	1	3817.95	2.6192	0.0400	0.0	0.0	2.63E-08	1.826-06	2.11E-05	1.01E-04
7	5	22	53	11195.50	2	3818.12	2.6191	0.0423	0.0	0.0	0.0	2.81E-08	3.05E-07	1•39E-06
12	1 C	40	39	22960.48	1	3818.16	2.6191	0.0400	0.0	0.0	0.0	0.0	0.0	8.76E-08
10	3	5	ć	16463.18	1	3818.19	2.6190	0.0621	0.0	0.0	0.0	0.0	1.155-07	1.53E-06
12	10	54	53	25200.61	1	3818.39	2.6189	C.0400	0.0	0.0	0.0	0.0	0.0	2.13E-08
12	10	41	4 C	23098.72	1	3818.67	2.6187	C.0400	0.0	0.0	0.0	0.0		8.09E-08
9	7	1	0	14142.91	2	3818.79	2.6186	0.0769	0.0	0.0	0.0	0.0	0.0	1.136-08
12	10	53	52	25019.01	1	3818.88	2.6186	0.0400	0.0	0.0	0.0	0.0	0.0	2.40E-08
12 8	10 6	42	41	23240.34	1	3819.11	2.6184	0.0400	0.0	0.0	0.0	0.0	0.0	7-44E-08
12	10	11 52	12 51	12469,13	2	3819.19	2.6184	0.0542	0.0	0.0	0.0	0.0	6•67E~08	. 3.74E-07
12	10	43	42	23365.33	1	3819.28	2.6183	0.0400	0.0	0.0	0.0	0.0	0.0	2.71E-08
12	10	51	50	24665.70	1	3819.47 3819.61	2.6182 2.6181	0.0400 0.0400	0.0 0.0	0.0	0.0	0.0	0.0	6.82E-08
12	10	44	43	23533.68	1	3819.76	2.6180	0.0400	0.0	0.0	0.0	0.0	0.0	3.04E-08
12	10	50	49	24494.01	i	3819.86	2.6179	0.0400	0.0	0.0	0.0	0.0	0.0	6+24E-08 3+40E-08
12	10	45	44	23685.38	î	3819.9€	2.6178	0.0400	0.0	0.0	0.0	0.0	0.0	5.68E-08
12	10	45	46	24325.62	î	3820.04	2.6178	0.0400	0.0	0.0	0.0	0.0	0.0	3•79E-08
12	10	46	45	23840.43	1	3820.10	2.6177	0.0400	0.0	0.0	0.0	0.0	0.0	5-16E-08
6	4	21	32	10058.21	2	3820.11	2.6177	0.0400	0.0	0.0	0.0	9.82E-08	8-19E-07	3.14E-06
12	10	48	47	24160.56	1	3820.13	2.6177	0.0400	0.0	0.0	0.0	0.0	0.0	4.21E-08
12	10	47	46	23558.83	1	3820.15	2.6177	0.0400	0.0	0.0	0.0	0.0	0.0	4.67E-08
11	5	10	9	18500.42	1	3820.26	2.6176	0.0547	0.0	0.0	0.0	0.0	3.71E-08	5.46E-07
2	0	61	62	7093.47	2	3820.53	2.6174	0.0400	0.0	0.0	3.21E-08	3.86E-07	1.57E-06	3.72E-06
3	1	64	65	10202.62	1	3820.68	2.6173	0.0406	0.0	0.0	6.75E-08	2.82E-06	2.42E-05	9.46E-05
4	2	47	48	08.1953	2	3821.18	2.6170	0.0400	0.0	0.0	2.09E-08	4.20E-07	2.32E-06	6.77E-06
7	5	35	36	12885.61	1	3821.85	2.6165	0.0400	0.0	0.0	0.0	5.24E-07	8.55E-06	5-13E-05
2	0	70	71	9667.11	1	3821.91	2.6165	0.0400	0.0	0.0	5.59E-08	1.89E-06	1.42E-05	5.10E-05
ç	7	16	17	14999.30	1	3821.98	2.6164	0.0493	0.0	0.0	0.0	3.76E-08	1.02E-06	8.57E-06
5	7	2	1	14146.36	2	3822.10	2.6164	0:0738	0.0	0.0	0.0	0.0	0.0	2•26E-08
10	e	4	5	16461.79	1	3822.10	2.6164	0.0645	0.0	0.0	0.0	0.0	9.836-08	1.04E-06
6	4	43	44	12058.43	1	3822.15	2.6163	C-0400	0.0	0.0	1.34E-08	1.186-06	1.58E-05	8+29E-05
3	1	54	55	7653.44	2	3822.44	2.6161	C.040G	0.0	0.0	3.65E-08	5.50E-07	2.55E-06	6-65E-06
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νυ	٧L	JU	JL	LOWER Staté	CODE	WAVE Number	WAVE LENGTH	HALF WICTH	*****	*** INTEGRAT	ED ** ABSOF		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
e	6	26	27	13834.28	1	3822.45	2.6161	0.0400	0.0	0.0	0.0	1.77E-07	3.62E-06	2.536-05
5	3	39	40	9131.08	2	3822.76	2.6159	0.0400	0.0	0.0	0.0	2.49E-07	1.65E-06	5.42E-06
11	9	11	10	16535.70	1	3823.01	2+6157	0.0545	0.0	0.0	0.0	0.0	3.97E-08	5.87E-07
7	5	21	22	11114.98	2	50.E28E	2.6157	0.0435	0.0	Ò+0	0.0	2.97E-08	3.16E-07	1.43E-06
8	6	10	11	12427.41	2	3823.38	2.6155	0 • C545	0.0	0.0	0.0	0.0	6.40E-08	3.56F-07
4	2	57	58	10647.20	1	3624.56	2.6147	C.0400	0.0	0.0	6.17E-08	3.08E-06	2.94E-05	1.23E-04
5	3	5¢	51	11266.57	1	3825.06	2.6143	0.0400	0.0	0.0	3.52E-08	2.25E-06	2.49E-05	1.15E-04
9	7	3	2	14153.26	2	3825.36	2.6141	0.0707	0.0	0.0	0.0	0.0	0.0	3.39E-08
6	4	ЭC	31	9985.50	2	3825.61	2.6140	0.0400	0.0	0.0	0.0	1.09E-07	8.87E-07	3.34E-06
11	9	12	11	18574.50	1	3825.69	2.6139	0.0542	0.0	0.0	0.0	0.0	4.19E-08	6.246-07
10	8	3	4	16443.96	1	3825.95	2.6137	0.0676	0.0	0.0	0.0	0.0	8.03E-08	8.51E-07
9	7	15	16	14938.22	1	3826.68	2.6132	0.0505	0.0	0.0	0.0	3.83E-08	1.02E-06	8.51E-06
£	e	S	10	12389.16	2	3827.51	2.6127	0.0547	0.0	0.0	0.0	0.0	6.06E-08	3.356-07
4	2	46	47	£210.98	2	3827.71	2.6125	0.0400	0.0	0.0	2.695-08	5.07E-07	2.69E~06	7.63E-06
٤	6	25	26	13736.61	1	3827.85	2.6124	0.0400	0.0	0.0	0.0	1.925-07	3.85E-06	2.64E-05
7	5	34	35	12754.63	1	3827.87	2.6124	0.0400	0.0	0.0	0.0	5.98E-07	9.45E-06	5.55E-05
7	5	2 C	21	11037.95	2	3827.89	2.6124	0.0447	0.0	0.0	0.0	3-135-08	3.27E-07	1-46E-06
2	C	60	61	6870.93	2	3827.94	2.6124	0.0400	0.0	0.0	4.52E-08	4.98E-07	1.92E-06	4.38E-06
11	9	13	12	18616.82	1	3828.30	2.6121	0.0540	0.0	0.0	0.0	0.0	4.38E-08	6.57E-07
9	7	4	3	14163.60	2	3828.54	2.6120	0.0676	0.0	0.0	0.0	0.0	0.0	4.51E-08
3	1	63	64	9961.74	1	3828.66	2.6119	0.0400	0.0	0.0	9.80E-08	3.72E-06	3.01E-05	1.13E-04
6	4	42	43	11897.51	1	3828.72	2.6118	0.0400	0.0	0.0	1.70E-08	1.4CE-06	1.81E-05	9.25E-05
5	3	3 &	39	8989.41	2	3828.79	2.6118	0.0400	0.0	0.0	1 - 13E-08	2.89E-07	1.856-06	5.94E-06
3	1	53	54	7456.80	2	3829.42	2.6114	0.0400	0.0	0.0	4.93E-08	6.86E-07	3.C4E-06	7.64E-06
10	8	2	3	16429.71	1	3829.72	2.6112	0.0707	0.0	0.0	0.0	0.0	6.13E-08	6.48E-07
2	0	69	7 G	9402.94	1	3830.29	2.6108	0.0400	0.0	0.0	8.43E-C8	2.56E-06	1.81E-05	6.23E-05
11	g	14	13	18662.66	1	3830.84	2.6104	0.0528	0.0	0.0	0.0	0.0	4.54E-08	6.86E-07
6	4	29	30	9876.27	2	3831.06	2.6102	0.0400	0.0	0.0	0.0	1.21E-07	9.57E-07	3.54E-06
9	7	14	15	.14260.71	1	3831.31	2.6101	0.0517	0.0	0.0	0.0	3.86E-08	1.025-06	8.39E-06
9	E	٤	9	12354.38	2	3831.57	2.6099	0.0550	0.0	0.0	0.0	0.0	5.66E-08	3-126-07
9	7	5	4	14177.38	2	3831.66	2.6098	0.0645	0.0	0.0	0.0	0.0	0.0	5.61E-08
4	2	56	57	10433.05	1	3832.08	2.6095	0.0400	0.0	0.0	8.57E-08	3.93E-06	3.56E-05	1.44E-04
5	3	49	50	11079.09	i	3832.11	2.6095	0.0406	0.0	0.0	4.68E-08	2.78E-06	2.94E-05	1.325-04
7	5	19	2 C	10964.39	2	3832.68	2.6091	0.0458	0.0	0.0	0.0	3.27E~08	3.36E-07	1.48E-06
8	6	24	25	13642.53	1	3833.19	2.6088	0.0400	0.0	0.0	0.0	2.08E-07	4.07E-06	2.75E-05
11	9	15	14	18712.02	1	3833.31	2.6087	0.0517	0.0	0.0	0.0	0.0	4.66E-08	7.10E-07
10	8	1	2	16419.01	1	3833.42	2.6086	0.0738	0.0	0.0	0.0	0.0	4.15E-08	4.38E-07
7	5	33	34	12627.23	1	3833.83	2.6084	0.0400	0.0	0.0	0.0	6.796-07	1.04E-05	5.99E-05
4	2	4 E	46	8043.62	2	3834.16	2.6081	0.0400	0.0	0.0	3.46E-08	6.09E-07	3.11E-06	8.58E-06
9	7	É	5	14154.62	2	3634.71	2.6078	0.0621	0.0	0.0	0.0	0.0	0.0	6.68E-08
5	3	37	38	8851.20	2	3834.75	2.6077	0.0400	0.0	0.0	1.37E-08	3.34E-07	2.07E-06	6.49E-06
6	4	41	42	11740.14	1	3835.23	2.6074	0.0400	0.0	0.0	2.15E-08	1.66E-06	2.06E-05	1+03E-04
2	G	55	60	6651.80	2	3835.29	2.6074	0.0400	0.0	0.0	80-32E-08	6.38E-07	2.33E-06	5.15E-06
8	€	7	8	12323.08	2	3835.57	2.6072	0.0574	0.0	0.0	0.0	0.C	5.21E-08	2.85E-07
11	ç	16	15	18764.90	1	3835.71	2.6071	0.0505	0.0	0.0	0.0			
9	7	13	14	14826.79		3835.87	2.6070	0.0528	0.0	0.0	0.0	0.0	4.75E-08 1.00E-06	7.30E-07
3	1	52	53	7263.61	2	3836.33	2.6067	0-0400	0.0	0.0		3.86E-08		8.22E-06
6	4	28	29	5770.52	2	3836.44	2.6066	0.0400	0.0	0.0	6.61E-08 0.0	8.53E-07 1.33E-07	3.61E-06 1.03E-06	8.79E-06
3	1	62	63	9724.36	ī	3836.58	2.6065	0.0400	0.0	0.0				3.75E-06
10	ē	c	1	16411.88	i	3837.06	2.6062	0.0769	0.0	0.0	1.41E-07	4.88E-06	3.73E-05	1.356-04
7	5	18	19	10894.32	2	3837.41	2.6059	C.0470			0.0	0.0	2.10E-08	2.21E-07
ģ	7	7	É	14215.30	2	3837.70	2.6057	0.0597	0.0 0.0	0.0	0.0	3.39E-08	3.43E-07	1.49E-06
11	Ġ	17		16821.29	1	3838.03	2.6055	0.0397	0.0	0.0	0.0	0.0	1.04E-08	7.71E-08
	-		-		-		-,,,,,,	0,0430	0.0	0.0	0.0	0.0	4.81E-08	7.45E-07

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VU	٧Ł	JŲ	JL	LOWER	CODE	WAVE	WAVE	HALF	*****	** INTEGRAT	ED ** ABSORE	TION ** CO	EFFICIENT *	*****
				STATE		NUMBER	LENGTH	WIDTH			CM-2*			
				ENERGY		CM-t	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
													, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	_				_									
8	6	23	24	13552.03		3838.46	2.6052	0.0412	0.0	0.0	0.0	2.24E-07	4.28E-06	2.86E-05
5	0	68	69	9142.25		3838.60	2.6051	0.0400	0.0	0.0	1.26E-07	3.46E-06	2.30E-05	7.59E-05
5	3	48	49	10895.17		3839.10	2.6048	0.0400	0.0	0.0	6.17E-08	3.41E-06	3.45E-05	1.50E-04
e	6	6	7	12295.25		3839.50	2.6045	0.0597	0.0	0.0	0.0	0.0	4.70E-08	2.56E-07
4	2	55	5 6	10222.44		3839.53	2.6045	0.0400	0.0	0.0	1.186-07	4.99E-06	4.30E-05	1.69E-04
	5	32	33	12503.41	1	3839.73	2.6043	0.0400	0.0	0.0	0.0	7.67E-07	1 • 1 4 E-05	6.45E-05
11	9 7	18	17	18881.18		3840.28	2.6040	0.0482	0.0	0.0	0.0	0.0	4.83E-08	7.56E-07
9		12	13	14776.45		3640.37	2.6039	0.0540	0.0	0.0	0.0	3.83E-08	9.83E-07	7.98E-06
4 9	2 7	44	45 7	7879.72		3840.59	9E09.5	0.0400	0.0	0.0	4-41E-08	7.28E-07	3.57E-06	9.60E-06
5	3	8 36	37	14239.42		3840.62	2.6037	6.0574	0.0	0.0	0.0	0.0	1.17E-08	8.69E-08
	4	40	41	8716.48		3840.65	2.6037	0.0400	0.0	0.0	1.66E-08	3.84E-07	2.30E-06	7.07E-06
6 6	4	27	28	11566.35		3841.67	2.6030	0.0400	0.0	0.0	2.69€-08	1.96E-06	2.34E-05	1 - 1 4E-04
7	5	17	18	9668.25 10827.74		3841.76 3842.07	2.6030	0.040C 0.0482	0.0	0.0	0.0	1.46E-07	1.10E-06	3.95E-06
11	ç	19	16	18944.59		3842.46	2.6028 2.6025	0.0482	0.0	0.0	0.0	3.50E-08 0.0	3.48E-07	1.50E-06
2	o	50	59	6436.11	2	3842.59	2.6025	0.0470	0 • 0 0 • 0	0.0	0.0 8.81E-08	8.16E-07	4.82E-08 2.83E-06	7.62E-07 6.05E-06
3	ĭ	51	52	7073.87		3843.19	2.6024	0.0400	0.0		8.82E-08	1.055-06		
ē	Ĝ	5	é	12270.90		3843.37	2.6019	0.0621	0.0	0.0	0.0	0.0	4.26E-06 4.15E-08	1.01E-05 2.25E-07
9	7	Š	ē	14266.98		3843.48	2.6018	0.0550	0.0	0.0	0.0	0.0	1.295-08	9.62E-08
é	6	zέ	23	13465.12		3843.66	2.6017	0.0423	0.0	0.0	0.0	2.39E~07	4.48E-06	2.956-05
10	ē	1	0	16408.32	-	3844.12	2.6014	0.0769	0.0	0.0	0.0	0.0	2.136-08	2.24E~07
3	1	61	62	9450.49	ī	3844 44	2.6012	0.0400	0.0	0.0	2.03E-07	6.38E-06	4.61E-05	1.61E-04
11	ç	20	19	19011.50	1	3844.56	2.6011	0.0458	0.0	0.0	0.0	0.0	4.78E-08	7.64E-07
9	7	11	12	14729.70	1	3844.80	2.6009	0.0542	0.0	0.0	0.0	3.76E-08	9.53E-07	7.68E-06
7	5	31	32	12363.18		3845.56	2.6004	0.0400	0.0	0.0	0.0	8.63E-07	1.25E-05	6.91E-05
£	3	47	48	10714.80	1	3846.02	2.6001	0.0400	0.0	0.0	8.10E-08	4-16E-06	4.03E-05	1.71E-04
9	7	1 C	9	14257.99	2	3846.2€	2.5999	0.0547	0.0	0.0	0.0	0.0	1-40E-08	1.056-07
5	3	35	36	£585.23	2	3846.49	2.5998	0.0400	0.0	0.0	2.00E-08	4.38E-07	2.55E-06	7.67E-06
11	ç	21	20	19081.91	1	3846.60	2.5997	0.0447	0.0	0.0	0.0	0.0	4.72E-08	7.62E~07
7	5	16	17	10764.64	2	3846.68	2.5996	0.0493	0.0	0.0	0.0	3.58E-08	3.51E-07	1.50E-06
2	C	67	68	8885.04	1	3846.86	2.5995	0.0400	0.0	0.0	1.88E-07	4.66E-06	2.91E-05	9.21E-05
4	2	54	55	10015.37	1	3846.93	2.5995	0.0400	0.0	0.0	1.63E-07	6.31E-06	5.18E-05	1.96E-04
4	2	43	44	7719.30	2	3846.95	2.5555	0.0400	0.0	0.0	5.60E-08	8.66E-07	4 • 09E-06	1.07E-05
6	4	26	27	9569.48	2	3847.02	2.5994	0.0400	0.0	0.0	0.0	1.60E-07	1.17E-06	4.14E-06
8	6	4	5	12250.03	2	3847.17	2.5993	0.0645	0.0	0.0	0.0	0.0	3.54E-08	1.925-07
10	9	2	1	16411.88	1	3847.55	2.5951	0.0738	0.0	0.0	0.0	0.0	4.26E-08	4.49E-07
É	4	39	40	11436.14	1	3848.05	2•5987	0.0400	,0 • O	0.0	3.35E-08	2.5èE-06	2.64E-05,	_ 1 • 26E−04
11	5	22	21	15155.82		3848.56	2.5984	0.0435	0.0	0.0	0.0	0•0 '	4.63E-08	7.57E-07
8	6	21	22	13381.82		3848.79	2.5982	0.0435	0.0	ó• 0	0.0	2.54E-07_	_ 4.67E <u>-06</u>	3•03E-05
9	7	11	10	14332.44	2	3848.98	2.5981	0.0545	0.0	0.0	0.0	0.0	1.50E-08	1.13E-07
9	7	10	11	14666.54		3849.1€	2.5980	0.0545	0.0	0.0	0.0	3.64E-08	9.15E-07	7•35Ë-0€
2	C	57	58	6223.85		3849.83	2.5975	0.0400	0.0	0.0	1.226-07	1.04E-06	3.436-06	7.08E-06
3	1	50	51	6867.58		3849.95	2.5974	0.0400	0.0	0.0	1 • 17E-07	1.30E-06	5.02E-06	1.15E-05
11	ç	23 3	22	19233.23	1	3850.44	2.5971	0.0423	0.0	0.0	0.0	0.0	4.51E-08	7.47E-07
10	8	3	2	16419.01 12232.63	1	3850.90	2.5968	0.0707	0.0	9.9	0_0	0.0	6.39E-08	6-74E-07
7	5	15	16	10705.04		3850.91	2.5968	0.0676	0.0	0.0	0.0	0.0	2.89E-08	1.56E-07
7	. 5	30	31	12266.54	1	3851.22 3851.32	2.5966 2.5965	0.0505 0.0400	0.0 0.0	0.0	0.0 1.01E-08	3.64E-08	3.51E-07	1-48E-06
ç	7	12	11	14370.33	-	3851.64	2.5963	0.0542	0.0	0.0	0.0	9.64E-07	1.36E-05	7.37E-05
ě	4	25	26	9474.20		3852.21	2.5959	0.0400	0.0	0.0	0.0	0.0 1.73E-07	1.58E-08 1.25E-06	1.20E-07 4.33E-06
. 3	ī	60	61	9260.14	ī	3852.24	2.5959	0.0400	0.0	0.0	2.89E-07	8.29E-06	5.67E-05	1.91E-04
777	,	24	23	19314.13	-	3852.26	2.5959	0.0412	0.0	0.0	0.0	0.0	4.38E-08	7.345-07
5	3	34	35	6457.48		3852.27	2.5959	0.0400	0.0	0.0	2.40E-08	4.99E-07		8.29E-06
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VU	٧L	Jυ	JL	LCWER STATE	CODE	WAVE RUMBER	WAVE LENGTH	HALF WICTH	*****	** INTEGRAT	ED ** ABSOR		EFFICIENT *>	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
. 5	3	4€	47	10538.00	1	3662.68	2.5955	0.0400	0.0	0.0	1.06E-07	5.05E-06	4.70E-05	1.94E-04
4	2	42	43	7562.35		3853.24	2.5952	C. C40C	0.0	0.0	7.06E-08	1.03E-06	4.66E-06	1.195-05
ς	7	9	10	14646.97		3853.45	2.5951	0.0547	0.0	0.0	0.0	3.49E-08	8.68E-07	6.90E-06
8	6	20	21	13302.10		3853.86	2.5948	0.0447	0.0	0.0	0.0	2.68E-07	4.83E-06	3.10E-05
11	9	25	24	19398.52		3854.00	2.5547	0.0400	0.0	0 0	0.0	0.0	4.23E-08	7.19E-07
10	9	4	3	16429.71	1	3854.19	2.5546	0.0676	0.0	0.0	0.0	0.0	8.48E-CE	8.9 ČE-07
9	7	13	12	14411.66		3854.23	2.5946	0.0540	0.0	0.0	0.0	0.0	1.66E-08	1.27E-07
4	2	53	54	5811.84		3854.26	2.5945	0.0400	0.0	0.0	2.22E-07	7.95E-06	6.21E-05	2.28E-04
6	4	3.5	39	11289.51		3854.37	2.5945	0.0400	0.0	0.0	4.14E-08	2.68E-C6	2.98E-05	1.39E-04
8	6	2	3	12218.71	2	3854.59	2.5943	0.0707	0.0	0.0	0.0	0.0	2.21E-08	1.19E-07
2	G	66	67	8631.33	1	3855.0€	2.5940	0.0400	0.0	0.0	2.79E-07	6.24E-06	3.67E-05	1.12E-04
1 1	5	2€	25	19466.39	1	3855.67	2.5936	0.0400	0.0	0.0	0.0	0.0	4.06E-08	7.00E-07
7	5	14	15	10648.93	2	3855.69	2.5936	0.0517	0.0	0.0	0.0	3.676-08	3.49E-07	1.46E-06
11	9	69	68	26488.41	1	3855•7 6	2.5935	0.0400	0.0	0.0	0.0	0.0	0.0	0.83E-09
3	1	45	50	6704.76	2	3856.73	2.5529	C.0400	0.0	0.0	1.54E-07	1.596-06	5-89E-06	1.31E-05
S	7	14	13	14456.43	2	3856.75	2.5929	0.0528	0.0	0.0	0.0	0.0	1.72E-08	1.326-07
2	C	56	57	6015.03		3857.01	2.5927	0.0400	0.0	0.0	1.68E-C7	1.32E-06	4.13E-06	8.26E-06
7	5	29	30	12153.49		3857.02	2.5927	0.0400	0.0	0.0	1.18E-08	1.07E-06	1 • 47E-05	7.84E-05
11	ç	27	26	19577.75		3857.26	2.5925	C.0400	0.0	0.0	0.0	0+0	3.88E-08	6.79E-07
6	4	24	25	9382.42		3857.35	2.5925	0.0400	0.0	0.0	0.0	1.87E-07	1.31E-06	4.50E-06
I 1	ç	6	67	26256.09		3857.39	2.5924	0.0400	0.0	0.0	0.0	0.0	0.0	1.04E-08
10	в	5	4	16443,96		3857.4C	2.5924	0.0645	0.0	0.0	0.0	0.0	1.05E-07	1.11E-06
g	7	8	9	14610.99		3857.67	2.5922	0.0550	0.0	0.0	0.0	3.29E-08	8.12E-07	6.42E-06
5	3	33	34	8333.21		3857.99	2.5920	0.0400	0.0	0.0	2.85E-08	5.64E-07	3.08E-06	8.925-06
ε	6	1	2	12208.27		3858.2C	2.5919	0.0738	0.0	0.0	0.0	0.0	1.496-08	8.03E-08
11	9	28	27	19672.59		3858.78	2.5915	C.0400	0.0	0.0	0.0	0.0	3.69E-08	6.56E-07
8	6	15	20	13225.99		3856.66	2.5914	0.045B	0.0	0.0	0.0	2.81E-07	4.97E-06	3.15E-05
11	5	67	66	26026.96		3858.94	2.5914	0.0400	0.0	0.0	0.0	0.0	0.0	1.22E-08
9	7	15	14	14504.62		3859.20	2.5912	0.0517	0.0	0.0	0.0	0.0	1.77E-08	1.37E-07
4	2	41	42	7408.88		3859.48	2.5910	C+040C	0.0	0.0	8.85E-C8	1.21E-06	5.306-06	1.32E-05
٤	3	45	46	10364.77		3859.68	2.5909	0.0400	0.0	0.0	1.37E-07	6.11E-06	5.45E-05	2.19E-04
3	1	59	60	9033.32		3859.97	2.5907	0.0400	0.0	0.0	4.09E-07	1.07E-05	6.95E-05	2.25E-04
7	5	12	14	10596.32		3860.11	2.5506	0.0528	0.0	0.0	0.0	3.666-08	3+44E-07	1.43E-06
11 11	ç	29 66	28 65	15770.91		3860.22	2.5505	0.0400	0.0	0.0	0.0	0.0	3.50€-08	6.31E-07
10	6	6	5	25801.04 16461.79		3860.41	2.5904	0.0400	0.0	0.0	0.0	0.0	0.0	1.43E-08
ε	4	37	38	11146.46		3860.54	2.5903	0.0621	0.0	0.0	0.0	0.0	1.25E-07	1.33E-06
4	2	52	53	9611.86		3860.62 3861.53	2.5903	0.0400	0.0	0.0	5.09E-08	3.11E-06	3.34E-05	1.525-04
9	7	16	15	14556.26		3861.59	2.5896	0.0400	0.0	0.0	3.01E-07	9.95E-06	7.41E-05	2.63E-04
11	ģ	30	29	19872.69		3861.60	2.5896 2.5896	0.0505	0.0	0.0	0.0	0.0	1.80E-08	1.41E-07
ė	6	0	1	12201.31		3861.74	2.5895	0.0400 0.0769	0.0	0.0	0.0	0.0	3.30E-08	6.046-07
11	ç	65	64	25578.32		3861.80	2.5895	0.0400	0.0 0.0	0.0	0.0	0.0	0.0	4.05E-08
9	7	7	8	14578.61		3861.82	2.5895	0.0574	0.0	0.0	0.0	3.05E-08	0.0	1.68E-08 5.88E-06
é	4	23	24	9294.14		3862.42	2.5891	0.0412	0.0	0.0	0.0	2.01E-07	7.48E-07 1.38E-06	4.66E-06
7	5	26	29	12044.05		3862.65	2.5889	0.0400	0.0	0.0	1.36E-08	1.19E-06	1.58E-05	8.31E-05
11	Š	31	30	19977.94		3862.89	2.5887	0.0400	0.0	0.0	0.0	0.0	3.10E-08	5.78E-07
11	Ś	64	63	25358.84		3863.12	2.5886	0.0400	0.0	0.0	0.0	0.0	0.0	1.965-08
5	ō	65	66	6381.13		3863.19	2.5885	0.0400	0.0	0.0	4.12E-07	8.32E-06	4.61E-05	1.35E-04
3	1	48	49	6525.41		3863.42	2.5884	0.0400	0.0	0.0	2.02E-07	1.94E-06	6.88E-06	1.49E-05
10	ε	7	ć	16463.18		3863.62	2.5882	0.0597	0.0	0.0	0.0	0.0	1.43E-07	1.53E-06
5	3	32	33	8212.45		3863.65	2.5882	0.0400	0.0	0.0	3.375-08	6.35E-07	3.37E-06	9.58E-06
8	6	18	19	13153,48		3863.80	2.5881	0.0470	0.0	0.0	0.0	2.93E-07	5.09E-06	3.19E-05
9	7	17	16	14611.32	2	3863.91	2.5681	0.0493	0.0	0.0	0.0	0.0	1.835-08	1.44E-07

ŃΠ	٧Ļ	ĵu.	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		FFICIENT *	****
				ENERGY	•	CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
										•		· · · · · · · · · · · · · · · · · · ·		
11	9	32	31	20086+64		3864.12	2.5679	0.0400	0.0	0.0	_0.0	0.0	2.90E-08	5.50E-07
2	0	55	56	5809.67		3864.13	2.5879	0.0400	0.0	0.0	2.31E-07	1.66E-06	4.97E-06	9.61E-06
11	9	63		25142.58		3864.35	2.5878 _	0.0400	0.0	0 • 0	.0.0	0.0	9.0	2.27E=08
. 7	5	12	13	10547.20		3864.46	2.5877	0.0540	0.0	0.0	0.0	3.62E-08	3.37E-07	1.39E-06
11	9	33	32	20198.81	1	3865.26	2.5871	0.0400	0.0	0.0	0.0	0.0		5.22E-07_
11	5	62	61	24929.57		3865.50	2.5870	0.0400	0.0	0.0	0.0	0.0	0.0	30-3E9.5
4	2	40	41	7258.90		3865.65	2.5869	0.0400	0.0	0.0	1.10E-07	1.42E-06	ê • 00E−0e	1 • 4 6E-05
9	7	6	7	14549.82		3865.91	2.5867	0.0597	0.0	0.0	0.0	2.78E-08	6.76E-07	5.29E-06
9	7	18	17	14669.81		3866.16	2.5865	0.0482	0.0	0.0	0.0	<u></u> 00	1 -84E-08	_1 -46E-07_
11	9	34	33	20314.43		3866.34	2.5864	0.0400	0.0	0.0	0.0	0.0	2.51E-08	4.93E-07
5	3	44	45	10195.12	1	3866.41	2.5864	0.0400	0.0	0.0	1.76E-07	7.36E-06	6.30E-05	2.46E-04
11	9	61	60	24719.80	1	3866.58	2.5863	0.0400	0.0	0.0	0.0	0.0	0.0	3.04E-08
10	8	8	7	16508.13		3866.62	2.5862	0.0574	0.0	0.0	0.0	0.0	1.61E-07	1.725-06
6	4	36	37	11007.02	i	3866.81	2.5861	0.0400	0.0	0.0	6.22E-08	3.59E-06	3.73E-05	1.66E-04
11	9	35	34	20433.50	1	3867.34	2.5858	0.0400	0.0	Q+0	0.0	0.0	2.32E-08	4.65E-07
6	4	22	23	9209.37	2	3867.43	2.5857	0.0423	0.0	0.0	0.0	2+14E-07	1.44E-06	4.80E-06
1 1	9	60	59	24513.30	1	3867.58	2.5856	0.0400	0.0	0.0	0.0	0.0	0.0	3.51E-C8
3	1	58	59	8810.04		3867.65	2.5855	0.0400	0.0	0.0	5.78E-07	1.39E-05	8.51E-05	2.66E-04
7	5	27	28	11938-21	1	3868.22	2.5852	0.0400	0.0	,0 + 0	1.56E-08	1.31E-06	1 • 70E 05	8.78E-05
11	ç	3€	35	20556.01	1	3868.26	2.5851	0.0400	0.0	0.0	0.0	0.0	2.13E-08	4.36E-07
S	7	19	18	14731.73	2	3868.34	2.5851	0.0470	0.0	0.0	0.0	o•o	1.84E-08	1.48E-07
11	S	59	58	24310.07		3868.49	2.5850	0.0400	0.0	0.0	0.0	0.0	0.0	4.04E-08
e	6	1	. 0	12197.83	2	3868.64	2.5849	0.0769	0.0	0.0	0.0	0.0	0.0	. 4.11E-08
8	6	17	16	13084.58	1	3868.67	2.5849	0.0482	0.0	0.0	0.0	3.02E-07	5.18E-06	3.21E-05
4	2	51	52	9415.45	1	3868.74	2.5848	0.0400	0.0	0.0	4.06E-07	1.24E-05	8.82E-05	3 <u>.</u> 04E-04
7	5	11	12	10501.59	2	3868.74	2.5848	0.0542	0.0	0.0	0.0	3.55E-08	3.26E-07	1.34E-06
11	5	37	36	20681.96	1	3869.11	2.5846	0.0400	0.0	0.0	0.0	0.0	1.95E-08	4.08E-07
5	3	31	32	8095.19	2	3869.25	2.5845	0.0400	0.0	0.0	3.96E-08	7 • 1 2E-07	3.67E-06	1.02E-05
11	ç	58	57	24110.11	1	3869.33	2.5844	0.0400	0.0	0.0	0.0	0.0	0.0	4.63E-08
10	8	9	-8	16536.64	1	3869.55	2.5843	0.0550	0.0	0.0	0.0	0.0	1.77E-07	1.90E-06
11	5	36	37	20811.34	1	3869.88	2.5841	0.0400	0.0	0.0	0.0	0.0	1.78E-08	3.80E-07
9	7	5	6	14524.62		3869.93	2.5840	0.0621	0.0	0.0	0.0	2.47E-08	5.96E-07	4.65E-06
3	1	47	48	6349.53		3870.04	2.5840	0.0400	0.0	0.0	2.64E-07	2.36E-06	8.02E-06	1.69E-05
11	5	57	56	23913.44	1	3870.09	2.5839	0.0400	0.0	0.0	0.0	0.0	0.0	5.30E-08
9	7	2 ¢	19	14757.07	2	3870.45	2.5837	0.0458	0.0	0.0	0.0	0.0	1.83E-08	1.49E-07
11	9	39	36	20944.14	1	3870.58	2.5836	0.0400	0.0	0.0	0.0	0.0	1.62E-08	3.53E-07
11	S	56	55	23720.06	1	3870.78	2.5835	0.0400	0.0	0.0	0.0	0.0	0.0	6.05E-08
2	0	54	55	5607.77	2	3871.2C	2.5832	0.0400	0.0	0.0	3.14E-07	2.09E-06	5.95E-06	1.11E-05
11	5	40	39	21080.37		3871.21	2.5032	0.6400	0.0	0.0	0.0	0.0	1.47E-08	3.26E-07
2	٥	64	65	8134.45		3871.27	2.5831	0.0400	0.0	0.0	6.03E-07	1.10E-05	5.77E-05	1.62E-04
11	S	55	54	23529.98	1	3871.38	2.5031	0.0400	0.0	0.0	0.0	0.0	0.0	6.88E-08
11	9	41	40	21220.01	1	3871.75	2.5828	0.0400	0.0	0.0	0.0	0.0	1.326-08	3.01E-07
4	2	36	40	7112.42	2	3871.77	2.5828	0.0400	0.0	0.0	1.36E-07	1.66E-06	6.76E-06	1.61E-05
11	9	54	53	23343.22	1	3871.91	2.5827	0.0400	0.0	0.0	0.0	0.0	0.0	7.80E-08
e	6	2	1	12201.31	2	3871.99	2.5027	0.0738	0.0	0.0	0.0	0.0	1.53E-08	8.24E-08
11	9	42	41	21363.06	1	3872.22	2.5825	0.0400	0.0	0.0	0.0	0.0	1.19E-08	2.77E-07
1 1	S	53	52	23159.78	1	3872.36	2.5824	0.0400	0 • C	0.0	0.0	0.0	0.0	8.82E-08
.6	4	21	22	9128.10	2	3872.38	2.5824	0.0435	0.0	0.0	0.0	2.27E-07	1.508-06	4.93E-06
1 C	٤	10	9	16568.71	1	3872.41	2.5824	0.0547	0.0	0.0	0.0	0.0	1.926-07	2.07E-06
5	7	21	50	14865.84	2	3872.50	2.5823.	0.0447	0.0	0.0	0.0	0.0	1.80E-08	1.48E-07
11	9	43	42	21509.51	1	3872.62	2.5822	0.0400	0.0	0.0	0.0	0.0	1.06E-08	2.53E-07
11	9	52	51	22979.66	1	3872.73	2.5822	0.0400	0.0	0.0	0.0	0.0	0.0	9.94E-08
11	G	44	43	21659.36	1	3872.94	2.5820	C.0400	0.0	0.0	0.0	0.0	0.0	2.31E-07

_	VÜ	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVÊ LENGTH	#ALF WIDTH	*****	** INTEGRAT	ED ** ABSCRI		EFFICIENT **	*****
					ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	6	. 4		. 36	10871.18	1	3872 <u>,•</u> 94	2.5820	0.0400	0.0	0.0	7.55E-08	4.13E-06	4.15E-05	1.81E-04
	7	٤	10	11	10459.48	2	3872.97	2.5820	0.0545	0.0	0.0	0.0	3.44E-08	3.13E-07	1.27E-06
	11	9	51	-50	22802.87	1	3873.03	2.5820	0.0400	0.0	0.0	0.0	0.0	0.0	1.12E-07
	5	3	43	44	10029.06	1	3873.08	2.5819	0.0400	0.0	0.0	2.26E-07	8-81E-06	7.25E-05	2.76E-04
	11	9	45	44	21812.60	1	3873.18	2.5819	0.0400	0.0	0.0	0.0	0.0	0.0	2.11E-07
	11	9	50	49	22629.43	1	3873.25	2.5818	0.0400	0.0	0.0	0.0	0.0	0.0	1.25E-07
	11	5	46	45	21969.23	1	3873.35	2.5817	0.0400	0+0	0.0	0.0	0.0	0.0	1.912-07
	11	9	45	84	22459.34	1	3873.39	2.5817	0.0400	0.0	0.0	0.0	0.0	0.0	1 - 4 CE-07
	11	9	47 48	46	, 22129.23	1	3873.44	2.5617	0.0400	0.0	0.0	0.0	0.0	0.0	1.73E-07
	11	9		47	22292.60	1	3873.45	2.5817	0.0400	0.0	0.0	0.0	0.0	0.0	1.56E-07
	8 7	6 5	1 € 2 6	17 27	13019.29	1	3873.47	2.5817	0.0493	0,0	0.0	0.0	3.10E-07	5.23E-06	3.21E-05
	ç	7	4	5	14503.03	1	3873.72	2.5815	C.0400	0.0	0.0	1.78E-08	1.43E-06	1.82E-05	9.24E-05
	9	7	22	21	14938.02	2	3873.87	2.5814 2.5810	0.0645	0.0	0.0	0.0	2.12E-08	5.09E-07	3.96E-06
	5	į	30	31	7981.43	2	3874.48 3874.79	2.5810 2.5808	0.0435	0.0	0.0	0.0	0.0	1.77E-08	1.47E-07
	10	8	11	10	16604.34	1	3875.2C	2.5805	0.0400	0.0	0.0	4.61E-08	7.93E-07	3.98E-06	1:09F-05
	3	i	57	58	8590.31	ì	3875.26	2.5805	0.0545 0.0400	0.0	0.0	0.0 8.10E-07	0.0 1.78E-05	2.05E-07 1.04E-04	2.23E-06 3.13E-04
	e	Ê	3	2	12208.27	2	3875.27	2.5805	0.0707	0.0	0.0	0.0	0.0	2.30E-08	1.245-07
	4	2	50	51	9222.61	i	3875.89	2.5803	0.0400	0.0	0.0	5.45E-07	1.546-05	1.04E-04	3.49E-04
	9	7	23	22	15013.62	2	3876.39	2.5797	0.0423	0.0	0.0	0.0	0.0	1.73E-08	1.46E-07
	3	i	46	47	6177.14	2	3876.61	2.5796	0.0400	0.0	0.0	3.41E-07	2.85E-06	9.30E-06	1.91E-05
)	7	5	9	10	10420.87	2	3877.12	2.5792	0.0547	0.0	0.0	0.0	3.29E-08	2.97E-07	1.20E-06
104	ε	4	20	21	9050.34	2	3877.27	2.5791	0.0447	0.0	0.0	0.0	2.39E-07	1.55E-06	5.03E-06
••	9	7	3	4	14485.03	1	3877.75	2.5788	0.0676	0.0	0.0	0.0	1.74E-08	4-16E-07	3.23E-06
	4	2	38	39	6969.43	2	3877.82	2.5788	0.0400	0.0	0.0	1.68E-07	1-92E-06	7.596-06	1.77E-05
	10	8	12	11	16643.52	1	3877.92	2.5787	0.0542	0.0	0.0	0.0	0.0	2 • 17E-07	2.37E-06
	8	6	15	16	12957.61	1	3878.2C	2.5785	0.0505	0.0	0.0	0.0	3.16E-07	5.25E-06	3.19E-05
	2	G	53	54	5409.33	2	3878.21	2.5765	0.0400	0.0	0.0	4.26E-07	2.62E-06	7.10E-06	1.29E-05
	9	7	24	23	15092.63	2	3878.24	2.5785	0.0412	0.0	0.0	0.0	0.0	1.68E-08	1.44E-07
	8	6	4	3	12218.71	2	3878.49	2.5783	0.0676	0.0	0.0	0.0	0.0	3.05E-08	1.65E-07
	6	4	34	35	10738.94	1	3879.00	2.5780	0.0406	0.0	0.0	9.10E-08	4.72E-06	4.60E-05	1.96E-04
	7	. 5	25	26	11737.38	1	3879.16	2.5779	0.0400	0.0	0.0	2.02E-08	1.56E-06	1.94E-05	9.68E-05
	2	C	63	64	7891.29	1	3879.28	2.5778	C.0400	0.0	0.0	8.78E-07	1.46E-05	7.19E-05	1.94E-04
	5	3	42	43	9866.59		3879.69	2.5775	0.0460	0.0	0.0	2.87E-07	1.C5E-05	8.31E-05	3.08E-04
	9	7	25	24	15175.05		3880.01	2.5773	0.0400	0.0	0.0	0.0	0.0	1.63E-08	1.41E-07
	5	3	29	30	7871.18	2	3880.27	2.5771	0.0400	0.0	0.0	5.34E-08	8.79E-07	4.30E-06	1.16E-05
	10	8	13	12	16686.27		3880.56	2.5769	0.0540	0.0	0.0	0.0	0.0	2.26E-07	2.49E-06
	7	5	٤	9	10385.77	2	3881.22	2.5765	0.0550	0.0	0.0	0.0	3.10E-08	2.77E-07	1 • 1 15-0 6
	9	7	2	3	14470.63	1	3881.56	2.5763	0.0707	0.0	0.0	0.0	1.33E-08	3.18E-07	2.46E-06
	8	6	5	4	12232.63		3881.64	2.5762	0.0645	0.0	0.0	0.0	0.0	3.79E-08	2.05E-07
	9	7	26	25	15260.88		3881.71	2.5762	0.0400	0.0	0.0	0.0	0.0	1.57E-08	1.37E-07
	6	4	19	20	8976.10		3882.10	2.5759	0.0458	0.0	0.0	0.0	2.50E-07	1.59E-06	5.11E-06
	3	1	5 E	57 15	£374.14		3882.82	2.5754	0.0400	0.0	0.0	1.13E-06	2-28E-05	1.26E-04	3.68E-04
	8 4	2	49	50	9033.35		3882.87	2.5754	0.0517	0.0	0.0	0.0	3.19E-07	5.23E-06	3+14E-05
	3	1	45	46	6CC8.24	1 2	3882.97	2.5753	0.0400	0.0	0.0	7.26E-07	1.90E-05	1.236-04	4.00E-04
	10	e r	14	13	16732.56		3883.11 3883.14	2.5753 2.5752	0.0400	0.0	0.0	4.39E-07	3.43E-06	1.07E-05	2.15E-05
	5	7	27	26	15350.11	2	3883.35	2.5752	0.0528	0.0		0.0	0.0	2.34E-07	2.605-06
	4	5	37	38	6829.95	2	3883.82	2.5748	C.0400 C.0400	0.0	0.0	0.0 2.05E-07	0.0 2.22E-06	1.50E-08 8.48E-06	1.33E-07 1.93E-05
	7	5	24	25	11642.38	1	3884.53	2.5743	0.0400	0.0	0.0	2.285-08	1.65F-06	2.05E-05	1.01E-04
	ė	ě	6	5	12250.03	2	3884.73	2.5742	0.0621	0.0	0.0	0.0	0.0	4.50E-08	2.44E-07
	9	7	28	27	15442.75	2	3884.92	2.5741	C.0400	0.0	0.0	0.0	0.0	1.43E-08	1.29E-07
	6	4	33	34	16610.31	1	3884.99	2.5740	0.0400	0.0	0.0	1.09E-07	5.37E-06	5.08E-05	2-12E-04
	_					-		_,	3-4-4-		***	20020	5.5.2 00	2002 30	

VÜ	٧L	រប	JL	LOWER State	CODE	WAVE Numeer	WAVE Length	HALF Wicth	******	*** INTEGRAT	ED ** ABSOR		EFFICIENT *	****
				ENERGY		CM 1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	Y = 1800
2	o	52	53	5214.37	2	3885.16	2.5739	0.0400	0.0	1.38E-08	5.73E-07	3.26E-06	8.44E-06	1.48E-05
7	5	7	8	10354.17		3885.25	2.5738	0.0574	0.0	0.0	0.0	2.88E-08	2.55E-07	1.02E-06
g	7	1	5	14459.83		3885.30	2.5738	0.0738	0.0	0.0	0.0	0.0		1.668-06
10	ė	15	14	16782.41	1	3885.64	2.5736	0.0517	0.0	0.0	0.0	0.0	2.41E-07	2.69E-06
5	3	26	29	7764.45		3885.68	2.5736	0.0400	0.0	0.0	6.16E-08	9.71E-07	4.63E-06	1.22E-05
5	3	41	42	9707.73	1	3886.24	2.5732	0.0400	0.0	0.0	3.63E-07	1.25E-05	9.49E-05	3.43E-04
g	7	25	28	15538.77		3886.42	2.5731	0.0400	0.0	0.0	0.0	0.0	1.36E-08	
6	À	16	19	2505.38		3886.86	2.5728	0.0470	0.0	0.0	1.04E-08	2.605-07	1.63E-06	5.16E-06
2	Ċ	62	63	7651.67	1	3887.24	2.5725	C.0400	0.0	0.0	1 • 27E-06	1.925-05		2.325-04
8	6	13	14	12845.10	1	3887.47	2.5724	0.0528	0.0	0.0	0.0	3.19E-07	5.16E-06	3.08E-05
ē	ě	7	6	12270.90		3887.74	2.5722	0.0597	0.0	0.0	0.0	0.0	5-17E-08	2.81E-07
g	7	30	29	15638.19	2	3887.85	2.5721	0.0400	0.0	0.0	0.0	0.0	1.28E-08	1.2CE-07
10	e	16	15	16835.81	1	3888.07	2.5720	0.0505	0.0	0.0	0.0	0.0	2.45F-07	2.77E-06
ģ	7	- 0	1	14452.63		3888.97	2.5714	0.0769	0.0	0.0	0.0	0.0	1.09E-07	8.39E-07
ç	7	31	30	15741.00		3889.21	2.5712	0.0400	0.0	0.0	0.0	0.0	1.21E-08	1-15E-07
7	5	6	7	10326.08	2	3889.22	2.5712	0.0597	0.0	0.0	0.0	2.61E-08	2.31E-07	9.18E-07
3	1	44	45	5842.84		3889.56	2.5710	0.0400	0.0	0.0	5.62E-07	4.115-06	1.24E-05	2.41E-05
4	2	36	37	6693.98		3889.76	2.5709	0.0400	0.0	0.0	2.49E-07	2.56E-06	9.45E-06	2.10E-05
7	5	23	24	11551.01	1	3889.83	2.5708	0.0412	0.0	0.0	2.54E-08	1.82E-06	2.16E-05	1.05E-04
4	2	48	49	8847.68	1	3889.99	2.5707	0.0400	0.0	0.0	9.61E-07	2.34E-05	1.45E-04	4.57E-04
3	1	55	56	E161.53		3890.31	2.5705	0.0400	0.0	0.0	1.57E-06		1.52E-04	4.30E-04
10	ē	1.7	16	16892.75	ī	3890.43	2.5704	0.0493	0.0	0.0	0.0	0.0	2.48E-07	2.83E-06
9	7	32	31	15647.20	ž	3890.50	2.5704	0.0400	0.0	0.0	0.0	0.0	1.14E-08	1.09E-07
ē	έ	E	7	12295.25	2	3890.7C	2.5702	0.0574	0.0	0.0	0.0	0.0	5.816-08	3.17E-07
6	4	32	33	10485.30	1	3890.92	2.5701	C.G400	0.0	0.0	1.30E-07	6.07E-06	5.58E-05	2.28E-04
5	3	27	28	7661.24	2	3891.04	2.5700	0.0400	0.0	0.0	7.05E-08	1.07E-06	4.96E-06	1.29E-05
6	4	17	18	8838.17	2	3891.56	2.5697	0.0482	0.0	0.0	1.11E-08	2.68E-07	1 - 65E-06_	
5	7	33	32	15956.77		3891.72	2.5696	0.04GG	0.0	0.0	0.0	0.0	1.06E-08	1.04E-07
8	6	12	13	12794.27	1	3892.00	2.5694	0.0540	0.0	0.0	0.0	3.17E-07	5.06E-06	2.99E-05
2	ò	51	52	5022.89		3892.05	2.5693	0.0400	0.0	2.156-08	7.67E-07	4.04E-06	9.99E-06	1.70E-05
10	8	18	17	16953.25	ī	3892.71	2.5689	0.0482	0.0	0.0	0.0	0.0	2.49E-07	2.87E-06
5	3	40	41	9552.46	1	3892.72	2.5689	0.0400	0.0	0.0	4.56E-07	1.47E-05	1 - 08E-04	3.81E-04
9	7	34	33	16069.71	2	3892.87	2.5688	0.0400	0.0	0.0	0.0	0.0	0.0	9.85E-08
7	5	5	6	10361.50	2	3893.12	2.5686	0.0621	0.0	0.0	0.0	2.32E-08	2.03E-07	8.06E-07
' e	€	Ś	8	12323.08	2	3893.59	2.5683	0.0550	0.0	0.0	0.0	0.0	6.40E-08	
ç	7	35	34	16166.04	2	3893.95	2.5681	0.0400	0.0	0.0	0.0	0.0	0.0	9.30E-08
10	8	19	18	17017.28	1	3894.93	2.5674	0.0470	0.0	0.0	0.0	0.0	2.49E-07	2.89E-06
9	7	36	35	16305.72	2	3894.96	2.5674	0.0400	0.0	0.0	0.0	0.0	0.0	8.75E-08
7	5	22	23	11463.27		3895.07	2.5673	0.0423	0.0	0.0	2.82E-08	1.95E-06		1.086-04
2	ō	61	62	7415.60	1	3895.13	2.5673	0.040C	0.0	0.0	1.83E-06	2.51E-05	1.11E-04	2.77E-04
4	2	35	36	6561.53	2	3895.63	2.5670	0.0400	0.0	0.0	3.01E-07	2.93E-06	1.05E-05	2.28E-05
ç	7	37	36	16428.77	2	3895.90	2.5668	0.0400	0.0	0.0	0.0	0.0	0.0	8.20E-08
3	1	43	44	5680.94		3895.95	2.5668	0.0400	0.0	1.185-08	7.15E-07	4.90E-06	1.42E-05	2.69E-05
S	7	1	0	14449.03	1	3896.10	2.5667	0.0769	0.0	0.0	0.0	0.0	1.10E-07	8.50E-07
6	4	16	17	8774.49	2	3896.19	2.5666	0.0493	0.0	0.0	1.16E-08	2.74E-07	1.67E-06	5.18E-06
5	3	2€	27	7561.55	2	5E+968E	2.5665	0.0400	0.0	0.0	8.02E-08	1.17E-06	5.30E-06	1.365-05
8	6	10	9	12354.38	2	3896.41	2.5665	0.0547	0.0	0.0	0.0	0.0	6.94E-08	3.82E-07
8	6	11	12	12747.07	1	3896.46	2.5664	0.0542	0.0	0.0	0.0	3.11E-07	4.91E-06	2.88E-05
10	8	76	75	26369.43	1	3896.49	2.5664	C.040G	0.0	0.0	0.0	0.0	0.0	9-115-09
9	7	3€	37	16555.18	2	3896.77	2.5662	0.0400	0.0	0.0	0.0	0.0	0.0	7.66E-08
6	4	21	32	10363.92	1	3896.79	2.5662	0.0400	0, • O	0.0	1 - 53E-07	6.84E-06	6.10E-05	2.45E-04
4	2	47	48	8665.59	1	3896.95	2.5661	0.0400	0.0	0.0	1.26E-06	2.86E-05	1.70E-04	5.20E-04
7	E	4	5	10280.43	2	3896.95	2.5661	0.0645	0.0	0.0	0.0	1.995-08	1.74E-07	6.86E-07

VÜ	VL	J٥	JL	LCWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WICTH	******	** INTEGRATI	ED ** ABSCRI		EFFICIENT *	******
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
10	8	sc	19	17084.85	1	3897.07	2.5660	0.0458	0.0	0.0	0.0			
9	7	39	3e	16684.94	2	3897.58	2.5657	0.0400	0.0	0.0	0.0	0.0	2.46E-07	2.90E-06
3	1	54	55	7952.49	1	3897.74	2.5656	0.0400	0.0	0.0	2.16E-06	0.0 3.68E-05	0.0 1.84E-04	7.13E-08
9	7	40	39	16818.04		3898.31	2.5652	0.0400	0.0	0.0	0.0	0.0	0.0	5.02E-04
10	9	75	74	26112.42		3898.65	2.5650	0.0400	0.0	0.0	0.0	0.0	0.0	6.62F-08 1.10E-08
2	ō	50	51	4834.91		3898.88	2.5€48	0.0400	0.0	3.326-08	1.02E-06	4.995-06	1.18E-05	1.95E-05
9	7	41	40	16954.49		3898.97	2.5648	0.0400	0.0	0.0	0.0	0.0	0.0	6.12E-08
5	3	39	40	9400.82		3899.13	2.5647	0.0400	0.0	0.0	5.69E-07	1.73E-05	1.22E-04	4.21E-04
10	8	21	20	17155.96		3899.13	2.5647	0.0447	0.0	0.0	0.0	0.0	2.43E-07	2.89E-06
8	6	11	10	12389.16		3859.16	2.5647	0.0545	0.0	0.0	0.0	0.0	7.43E-08	4.11E-07
9	7	58	57	19779.64		3899.24	2.5646	0.0400	0.0	0.0	0.0	0.0	0.0	9.95E-09
9	7	42	41	17094.27		3899.55	2.5644	0.0400	0.0	0.0	0.0	0.0	0.0	5.64E-08
S	7	2	1	14452.63	1	3859.56	2.5644	0.0738	0.0	0.0	0.0	0.0	2.21E-07	1.70E-06
ģ	7	67	5€	19587.32	2	3899.80	2.5642	0.0400	0.0	0.0	0.0	0.0	0.0	1.13E-08
9	7	43	42	17237.39	2	3900.07	2.5641	0.0460	0.0	0.0	0.0	0.0	0.0	5-188-08
7	5	21	22	11379.15	1	3900-24	2.5639	0.0435	0.0	0.0	3.10E-08	2.07E-06	2.36E-05	1.11E-04
9	7	56	55	19398.23	2	3900.29	2.5639	0.0400	0.0	0.0	0.0	0.0	0.0	1.29E-08
9	7	44	43	17383.83	2	3900.52	2.5638	0.0400	0.0	0.0	0.0	0.0	0.0	4.74E-08
9	7	55	54	19212.38	2	3900.71	2.5636	0.0400	0.0	0.0	0.0	0.0	0.0	1.46E-08
7	5	3	4	10262.87	2	3900.73	2.5636	0.0676	0.0	0.0	0.0	1+63E-08	1.425-07	5.59E-07
1 C	8	74	73	25858.57	1	3900.73	2.5636	0.0400	0.0	0.0	0.0	0.0	0.0	1.32F-08
6	4	1.5	16	8714.33	2	3900.76	2.5636	0.0505	0.0	0.0	1.21E-08	2.79E-07	1.67E-06	5.14E-06
8	6	1 C	11	12703.48		3900.85	2.5635	0.0545	0.0	0.0	0.0	3.02E-07	4.71E-06	2.75E-05
9	7	45	44	17533.59	2	3900.89	2.5635	0.0400	0.0	0.0	0.0	0.0	0.0	4.33E-08
9	7	54	53	19029.77	2	3901.05	2.5634	0.0400	0.0	0+0	0.0	0.0	0.0	1.65E-08
16	3	22	21	17230.61	1	3901.13	2.5634	0.0435	0.0	0.0	0.0	0.0	2.38E-07	2.86E-06
9	7	46	45	17666.66	2	3901.20	2.5633	C.0400	0.0	0.0	0.0	0.0	0.0	3.946-08
9	7	53	52	18850.42		3901.32	2.5632	0.0400	0.0	0.0	0.0	0.0	0.0	1.86E-08
9	7	47	46	17843.04		3901.42	2.5632	0.0400	0.0	0.0	0.0	0.0	0.0	3.57E-08
4	2	34	35	6432.60		3901.45	2.5631	0.0400	0.0	0.0	3.61E-07	3.34E-06	1.16E-05	2.47E-05
9	7	52	51	18674.34		3901.52	2.5631	0.0400	0.0	0.0	0.0	0.0	0.0	2.09E-08
5	3	25	26	7465.39		3901.56	2.5631	0.0400	0.0	0.0	9.05E-08	1.27E-06	5.62E-06	1.42E-05
9	7	4 6	47	180C2.73		3901.59	2.5631	0.0400	0.0	0.0	0.0	0.0	0.0	3.23E~08
9	7	5 1	50	18501.51		3901.65	2.5630	0.0400	0.0	0.0	0.0	0.0	0.0	2.34E-08
9	7	49	48	18165.70		3901.68	2.5630	0.0400	0.0	0.0	0.0	0.0	0.0	2.91E-08
9	7	50	49	10331.96		3901.70	2.5630 ~	0.0400	0.0	0.0	0.0	0.0	0.0	2.61E-08
3	6	12	11	12427.41	2	3901.85	2.5629	0.0542	0.0	0.0	0.0	0.0	7.85E-08	4.37E-07
3	-	42	43	5522.55		3902.28	2.5626	0.0400	0.0	1.70E-08	9.04E-07	5.81E-06	1.62E-05	2.99E-05
É	4	30	31	10246.16		3902.59	2.5624	0.0400	0.0	0.0	1.80E-07	_7.65E-06	6.64E-05	2.61E-04
10	3	73	72	25607.89		3902.73	2.5623	0.040C	0 • C	0.0	0.0	0.0	0.0	1.50E-08
9	7	5 00	2	14459.83		3902.95	2.5622	0.0707	0.0	0.0	0.0	1.39E-08	3.31E~07	,,2.56E~06
2 10	8	23	61 22	71 83.08		3902.97	2.5622	0.0400	0.0	1.30E-08	2.62E-06	3.28E-05	1.36E-04	3,29E-04
.4	2		47	17308.79		3903.05	2.5621	0.0423	0.0	0.0	0.0	0.0	2.32E-07	2.83E-06
7	5	4€ 2	3	8487.11 10248.82		3903.85	2.5616	0.0400	0.0	0.0	1.65E-06	3.49E-05	1.98E-04	5.89E-04
é	6	13				3904.43	2.5612	0.0707	0.0	0.0	0.0	1.25E-08	1.08E-07	4.26E-07
10	e	72	12 71	12469.13		3904.47 3904.65	2.5612	0.0540	0.0	0.0	0.0	0.0	8-22E-08	4.61E-07
10	8	24	23	17390.49			2.5610	0.0400	0.0	0.0	0.0	0.0	0.0	1.89E-08
3	1	53	54	7747.04		3904.90 3905.11	2.5609	0.0412	0.0	0.0	0.0	0.0	2.25E-07	2.78E-06
ē	6	93	10	12663.53		3905.11	2.5607 2.5607	0.0400 0.0547	0.0	0.0_	2.96E-06	4.64E-05	2-21E-04	5.83E-04
é	4	14	16	8657.70		3905.10	2.5606	0.0517	0.0	0.0	0.0	2.89E-07	4.47E-06	2.59E-05
7	5	20	21	11298.67		3905.35	2.5606	0.0317	0.0	0.0	1.25E-08	2.81E-07	1.66E-06	5.07E-06
	3	38	39	9252.79		3905.49	2.5605	0.0400	0.0		3.38E-08	2.15E-06	2.44E-05	1.14E-04
•	-				•	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	51000	20,700	0.0	.0.0	7.05E-07	2.02E-05	1.38E-04	4.64E-04

VU	٧L	٦U	JĻ	LC%ER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WICTH	******	** INTEGRAT	ED ** A950F CM-2*		ÉFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
2	٥	49	50	4650.41	2	3905•66	2.5604	C.0400	0.0	5.08E-08	1.35E-06	6.136-06	1 705-45	2.23E-05
ç	7	4	3	14470.63		3906.27	2.5600	0.0676	0.0	0.0	0.0	1.84E-C8	1.39E~05 4.40E-07	3.40E-06
10	ė	71	70	25116.07		3906.48	2.5598	0.0400	0.0	0.0	0.0	0.0	0.0	2.25E~08
10	8	25	24	17475.72		3906.67	2.5597	0.0400	0.0	0.0	0.0	0.0	2.17E-07	2.71E-06
5	3	24	25	7372.76		3906.73	2.5597	0.0400	0.0	0.0	1.01E-07	1.37E-06	5.94E-06	1.48E-05
8	6	14	13	12514.32		3907.02	2.5595	0.0528	0.0	0.0	0.0	0.0	8.52E-08	4.81E-07
4	2	33	34	6307.19		3907.20	2.5594	0.0400	0.0	0.0	4.30E-07	3.78E-06	1.27E-05	2.675-05
7	5	1	2	10238.29		3908.08	2.5588	0.0738	0.0	0.0	0.0	0.0	7.33E~08	2.88E-07
10	8	7 C	69	24874.95	1	3908.24	2.5587	0.0400	0.0	0.0	0.0	0.0	0.0	2.67E-08
€	4	25	30	10132.03	1	3908.32	2.5586	0.0400	0.0	0.0	2.09E-07	8.52E~06	7.196-05	2.78E-04
10	8	2€	25	17564.47	1	3908.37	2.5586	0.0400	0.0	0.0	0.0	0.0	2.08E-07	2.64E-06
3	1	41	42	5367.68	2	3908.54	2.5585	0.0400	0.0	2.41E-08	1.14E-06	6.87E-06	1 . 84E-05	3.32E-05
8	€	e	9	12627.20	1	3909.44	2.5579	0.0550	0.0	0.0	0.0	2.73E-07	4.19E-06	2.41E-05
ε	6	15	14	12562.97	2	3909.51	2.5579	0.0517	0.0	0.0	0.0	0.0	8.76E-08	4.99E-07
9	7	5	4	14485.03	1	3909.52	2.5579	0.0645	0.0	0.0	0.0	2.27E-08	5.45E-07	4.23E-06
6	4	13	14	8604.60	2	3909.72	2.5577	0.0528	0.0	0.0	1.27E-08	2.81E-07	1.64E-06	4.96E-06
10	٤	69	68	24677.04	1	3909.92	2.5576	0.0400	0.0	0.0	0.0	0.0	0.0	3.16E-08
10	8	27	26	17656.73	1	3910.00	2.5575	0.0400	0.0	0.0	0.0	0.0	1.99E-07	2.56E-06
7	5	19	20	11221.82	1	3910.38	2.5573	0.0458	0.0	0.0	3.65E-08	2.30E-06	2.52E-05	1.16E-04
4	2	45	46	8312.24	1	3910.68	2.5571	0.0400	0.0	0.0	2.15E-06	4.23E-05	2.305-04	6.66E-04
2	O	59	60	6954.12	1	3910.74	2.5571	0.0400	0.0	2.22E-08	3.72E-06	4.25E-05	1.67E-04	3.89E-04
10	ε	68	67	24402.34	1	3911.52	2.5566	0.0400	0.0	0.0	0+0	0.0	0.0	3.74E-08
10	9	28	27	17752.52	1	3911.56	2.5565	0.0400	0.0	0.0	0.0	0.0	1.895-07	2.47E-06
7	5	C	1	10231.26		3911.66	2.5565	0.0769	0.0	0.0	0.0	0.0	3.70E-08	1.45E-07
5	3	37	38	\$108.38	1	3911.78	2.5564	0.0400	0.0	0.0	8.69E-07	2.35E-05	1.55E-04	5.09E-04
5	3	23	24	7283.66	2	3911.83	2.5563	0.0412	0.0	0.0	1 • 13E-07	1.47E-06	6.24E-06	1.53E-05
8	6	16	15	12615.09	2	3911.92	2.5563	0.0505	0.0	0.0	0.0	0.0	8.94E-08	5.136-07
2	0	4 E	49	4469.43	2	3912.37	2.5560	0.0400	0.0	7.72E-08	1.77E-06	7.45E-06	1.625-05	2.53E-05
3	1	52	53	7545.17	1	3912.42	2.5560	0.0400	0.0	1.50E-08	4.02E-06	5.82E-05	2.64E-04	6.75E-04
9	7	-6	5	14503.03	1	3912.70	2.5558	0.0621	0.0	0.0	0.0	2.69E-08	6.47E-07	5.03E-06
4	2	32	33	6185.32		3912.89	2.5557	0.0400	0.0	0.0	5.09E-07	4.26E-06	1.39E-05	2.86E-05
10	e	67 29	66	24170.88	1	3913.03	2.5556	0.0400	0.0	0.0	0.6	0.0	0.0	4.40E-08
10	E	7	28 8	17851.80	1	3913.04	2.5556	0.0400	0.0	0.0	0.0	0.0	1.79E-07	2.38E-06
8 6	6 4	28	29	12594.50	1	3913.63	2.5552	0.0574	0.0	0.0	0.0	2.53E-07	3.86E-06	2.21E-05
6	4	12	13	6555.02	1 2	3913.99	2.5549	0.0400	0.0	0.0	2.43E-07	9.45E-06	7.77E-05	2.956-04
é	6	17	16	12670.68	2	3914.10 3914.27	2.5549 2.5548	0.0540	0.0	0.0	1.29E-08	2.78E-07	1.61E-06	4-82E-06
10	8	30	29	17954.60	1	3914.44	2.5546	0.0493 0.0400	0.0	0.0	0.0	0.0	9.05E-08	5.24E-07
10	ε	66	65	23942.65	î	3914.47	2.5546	0.0400	0.0		0.0	0.0	1.68E-07	2.28E-06
3	ĩ	40	41	5216.33	2	3914.75	2.5544	0.0400	0 • 0 0 • 0	0.0 3.40E-08	0.0	0.0	0.0	5.17E-08
7	5	ie	19	11148.61	ī	3915.35	2.5540	0.0470	0.0	0.0	1.42E-06 3.92E-08	8.07E-06 2.40E-06	2.09E-05	3.68E-05
10	8	31	30	18060.90	ì	3915.77	2.5530	0.0400	0.0	0.0	0.0	0.0	2.58E-05 1.58E-07	1.17E-04
g	7	7	6	14524.62	ī	3915.81	2.5538	0.0597	0.0	0.0	0.0	3.07E-08	7.43E-07	2.17E~06 5.80E-06
10	е	65	64	23717.67	ī	3915.83	2.5537	0.0400	0.0	0.0	0.0	0.0	0.0	6.05E-08
ε	6	18	17	12729.73	2	3916.56	2.5533	0.0482	0.0	0.0	0.0	0.0	9.11E~08	5.32E-07
5	3	22	23	7158.11	2	3916.88	2.5531	0.0423	0.0	0.0	1 • 25E-07	1.57E-06	6.53E-06	1.586-05
10	e	32	31	18170.69	ì	3917.03	2.5530	0.0400	0.0	0.0	0.0	0.0	1.485-07	2.07E-06
10	e	64	63	23495.95	ï	3917.11	2.5529	0.0400	0.6	0.0	0.0	0.0	0.0	7.07E-08
4	2	44	45	£140.98	1	3917.45	2.5527	0.0400	0.0	0.0	2.785-06	5.10E-05	2.67E-04	7.50E-04
8	6	6	7	12565.43	1	3917.75	2.5525	0.0597	0.0	0.0	0.0	2.31E-07	3.49E-06	1.99E-05
5	3	3€	37	8967.61	1	3918.00	2.5523	0.0400	0.0	0.0	1.06E-06	2.72E-05	1.73E-04	5.57E-04
10	8	33	32	16283.98	1	3918.21	2.5522	0.0400	0.0	0.0	0.0	0.0	1.38E-07	1.96E-06
10	e	63	62	23277.50	1	3918.31	2.5521	0.0400	0.0	0.0	0.0	0.0	0.0	8.23E-08

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES .

_	νū	ν̈́L	Ju	JL.	LOWER STATE	cobè	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	D ** ABSOR		FFICIENT *	******
					ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	6	4	11	12	85C8 • 98	_ 2	3918.42	2.5520	0.0542	0.0	0.0	1.29E-08	2.73E-07	1.56E-06	4.64E-06
	6	0	58	59	6728.75		3918.45	2.5520	0.0400	0.0	3.76E-08	5.27E-06	5.50E-05	2.05E-04	4.61E-04
	4	2	31	32	6066.97	2	3918.53	2.5520_	0.0400	0.0	0.0	5.98E-07	4.78E-06	1.52E-05	3.06E-05
	7	5	1	O	10227.75	2	3918.62	2.5519	0.0769	0.0	0.0	0.0	0.0	3.76E-08	1.47E~07
	8	, 6	19	18	12792.23	2	3918.77	2.5518	0.0470	0.0		0.0	0.0	9.10E-08	5.37E-07
	9	7	8	7	14549.82		3918.84	2.5518	0.0574	0.0	0.0	0.0	3.43E-08	8.34E-07	6.53E-06
	2	0	47	48	4291.95	2	3919.03	2.5517	0.0400	0.0	1.16E-07	2.32E-06	9.11E-06	1.89E-05	2.87E-05
	10	8	34	33	18400.75	1	3919.32	2.5515	0.0400	0.0	0.0	0.0	0.0	1.28E-07	1.85E-06
	10	8	62	<u> 61</u>	23062.32	1	3919.43	2.5514	0.0400	0.0	0.0	0.0	0.0	0.0	9.55E~08
	6	4	27	28	9914.69	1	3919.59	2.5513	C.0400	0.0	0.0	2.80E-07	1.04E-05	8.36E-05	3.12E-04
	3	1	51	52	7346.91	1	3919.66	2.5512	0.0400	0.0	2.37E-08	5.44E-06	7.28E-05	3.15E-04	
	7	5	17	18	11079.05	1	3920.26	2.5509	0.0482	0.0	0.0	4.17E-08	2.48E-06	2.63E~05	7-80E-04
	10	8	35	34	18521.00	1	3920.35	2.5508	0.0400	0.0	0.0	0.0	10.0		1-18E-04
	10	8	61	60	22850.43	1	3920.47	2.5507	0.0400	0.0	0.0	0.0	0.0	1.18E-07	1.74E-06
	3	1	39	40	5068.50	2	3920.90	2.5504	0.0400	0.0	4.74E-08	1.76€-06	9.436-06	0.0	1-11E-07
	8	€	20	19	12858.20	2	3920.92	2.5504	0.0458	0.0	0.0	0.0	0.0	2.36E-05	4.05E-05
	10	e	36	35	16644.73	1	3921.31	2.5502	0.0400	0.0	0.0	0.0		9.045-08	5-40E-07
	10	3	60	59	22641.83	1	3921.43	2.5501	C.0400	0.0	0.0	0.0	0.0	1.08E-07	1.63E-06
	۱ 8	6	5	6	12539,99		3921.80	2.5498	0.0621	0.0	0.0			0.0	1.28E-07
	S	7	9	e	14578.61		3921.81	2.5498	0.0550	0.0	0.0	0.0	2.05E-07	3.08E-06	1.75E-05
	5	Э	21	22	7116.09	2	3921.86	2.5498	0.0435	0.0		0.0	3.74E-08	9.18E-07	7.22E-06
-	7	5	2		10231.26		3922.00	2.5497	0.0738		0.0	1.37E-07_	1 • 6 6E-06	6.79E-06	1.62E-05
108	10	e	37	36	16771.94	ī	3922.19	2.5496	0.0400	0.0	0.0	0.0	0.0	7.53E-08	2.95E-07
	10	ē	59	58	22436.54	1	3922.32	2.5495	0.0400	0.0	0.0	0.0	0.0	9.92E-08	1.53E~06
	6	4	10	11	8466.48		3922.68	2.5493	0.0545		0.0	0.0	0.0	0.0	1.47E-07
	10	8	36	37	18902.61	1	3923.00	2.5491	0.0400	0.0	0.0	1.27E-08	2.64E-07	1.49E-06	4-42E-06
	8	6	21	20	12927.62		3923.00	2.5491	0.0447	0.0	0.0	0.0	0.0	9.04E-08	1.42E-06
	10	ē	58	57	22234.55		3923.13	2.5490	0.0400	0.0	0.0	0.0	0.0	8.93E-08	5.39E-07
	10	ε	39	38	19036.74	ì	3923.73	2.5486	0.0400	0.0	0.0	0.0	0.0	0.0	1.69E-07
	10	ē	57	56	22035.89	ī	3923.85	2.5485		0.0	0.0	0.0	0.0	8.21E-08	1.32F-06
	4	2	30	31	5952.17	2	3924.10	2.5465	0.0400	0.0	0.0	0.0	0.0	0.0	1.94E-07
	5	ã	35	36	8830.47	1	3924.16		0.0400	0.0	0.0	6.99E-07	5.34E-06	1.65E-05	3.26E-05
	4	2	43	44	7973.35	1	3924.16	2.5483	0.0400	0.0	0.0	1.29E-06	3-13E-05	1.93E-04	6.07E~04
	10	ē	40	39	19174.33	î	3924.39	2.5483	0.0400	0.0	0.0	3.56E-06	6-12E-05	3.08E-04	8.42E-04
	10	ε	56	55	21840.56	1	3924.5C	2.5482	0.0400	0.0	0.0	0.0	0.0	7.42E-08	1.22E-06
	9	7	10	9	14610.99	1	3924.71	2.5481	0.0400	0.0	0.0	0.0	0.0	0.0	2.21E-07
	10	ė	41	40	15315.37	1		2.5460	0.0547	0.0	0.0	0.0	4.02E-08	9.94E-07	7.87E-06
	8	6	22	21	12000.48	2	3924.97 3925.01	2.5478	0.0400	0.0	0.0	0.0	0.0	6.69E-08	1.1 <u>2</u> E-06
	10	ε	55	54	21648.56	1		2.5478	0.0435	0.0	0.0	0.0	0.0	8.76E-08	5.35E-07
	7	5	16	17	11013.12	-	3925.08	2.5477	0.0400	0.0	0.0	0.0	0.0	1.03E-08	2.52E-07
	é	4	2€	27	9811.48	1	3925.09	2.5477	0.0493	0.0	0.0	4.40E-08	2.55E-06	2.65E-05	1.18E-04
	7	5	3	2	10238.29	ž	3925.13	2.5477	0.0400	0.0	0.0	3.20E-07	1.146-05	8.94E-05	3.29E-04
	1 C	8	42	41			3925.31	2.5476	0.0707	0.0	0.0	0.0	1.31E-08	1.13E-07	4.43E-07
	10	9	54	53	19459.85 21459.91	1	3925.48	2.5475	0.0400	0.0	0.0	0.0	G.O	6.00E-08	1.03E-06
	2	0	46	47		1	3925.57	2.5474	0.0400	0.0	0.0	0.0	0.0	1.21E-08	2-86E-07
	é	-	46	4 <i>7</i> 5	4117.99	2	3925.63	2.5474	0.0400	0.0	1.736-07	3.01E-06	1 • 1 0E-05	S.50E-05	3.256-05
		6	43		12518-18	1	3925.78	2.5473	0.0645	0.0	0.0	0.0	1.76E-07	2.63E-06	1.49E-05
	10	8		42	19607.77	1	3925.91	2.5472	C-04CC	0.0	0.0	0.0	0.0	5.36E-08	9.43E-07
	10	8	53	52	21274.62	1	3925.99	2.5471	0.0400	0.0	0.0	0.0	0.0	1.41E-08	3.24E-07
	2	0	57	58	6506.95	1	3926.11	2.5471	0.0400	0.0	6.32E-08	7.42E~06	7.09E-05	2.51E-04	5.43E-04
	10	8	44	43	19759.12	1	3926.26	2.5470	0.0400	0.0	0.0	0.0	0.0	4.77E-08	8.60E-07
	10	8	52	51	21092.69	1	3926.32	2.5469	0.0400	0.0	0.0	0.0	0.0	1 • 64E-08	3.66E-07
	10	8	45	44	19913.90	1	3926.54	2.5468	0.0400	0.0	0.0	0.0	0.0	4.23€-08	7.82E-07
	10	8	51	5 C	20914.12	1	3926.59	2.5467	0.0400	0.0	0.0	0.0	0.0	1.90E-08	4.12E-07

٧u	٧L	JU	JL	LCMER STATE	CODE	WAVE NUMBER	WAVE Length	HALF Width	*****	*** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	*****
				ENERGY		CM-1	, MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
1 C	8	46	45	20072.09	1	3926.74	2.5466	0.0400	0.0	0.0	0.0	0.0	3.74E-08	7.08E-07
10	e	50	49	20738.93	1	3926.77	2.5466	0.0400	0.0	0.0	0.0	0.0	2-19E-08	4.62E-07
5	3	20	21	7037.61	2	3926.78	2.5466	C.0447	0.0	0.0	1.49E-07	1.756-06	7+03E-06	1.65E-05
3	1	50	51	7152.25	1	3926.84	2.5466	0.0400	0.0	3.72F-08	7.32E-06	9.056-05	3.74E-04	8.98E-04
10	£	47	46	20233.70	ī	3926.86	2.5466	0.0400	0.0	0.0	0.0	0.0	3.29E-08	6.39E-07
€	4	9	10	6427.51	2	3926.87	2.5466	0.0547	0.0	0.0	1.23E-08	2.53E-07	1.42E-06	4 • 1 6E-06
10	ε	49	48	20567.13	1	3926.88	2.5466	0.0400	0.0	0.0	0.0	0.0	2.52E-08	5.16E-07
10	8	48	47	20398.72	1	3926.91	2.5465	0.0400	0.0	0.0	0.0	0.0	2.88E-08	5.76E-07
8	6	23	22	13076.80	2	3926.95	2.5465	ES40.0	0.0	0.0	0.0	0.0	8.56E-08	5.29E-07
3	1	38	39	4924.21	2	3926.99	2.5465	0.0400	0.0	6.56E-08	2.17E-06	1.10E-05	2.65E-05	4.45E-05
9	7	11	10	14646.97	1	3927.53	2.5461	0.0545	0.0	C • O	0.0	4.26E-08	1 . 06E-06	8.45E-06
7	5	4	3	10248.82	2	3928.56	2.5455	0.0676	0.0	0.0	0.0	1.73E-08	1.50E-07	5.90E-07
ŧ	€	24	23	13156.57	2	3928.83	2.5453	0.0412	0.0	0.0	0.0	0.0	8.326-08	5.21E-07
4	2	29	30	5840.91	2	3929.61	2.5448	C.0400	0.0	1.18E-08	8.10E-07	5.92E-06	1.785-05	3.47E-05
8	6	3	4	12500.01	1	3929.7C	2.5447	0.0676	0.0	0.0	0.0	1-44E-07	2 - 15E-06	1.21E-05
7	5	15	16	10950.85	1	3929.86	2.5446	0.0505	0.0	0.0	4.60E-08	2.596-06	2.67E-05	1.17E-04
5	3	34	3€	8696.97	1	3930.26	2.5444	0.0400	0.0	0.0	1.56E-06	3.58E-05	2.14E-04	6.59E-04
5	7	12	11	14686.54	1	3930.28	2.5443	0.0542	0.0	0.0	0.0	4.46E-08	1.12E-06	8.985~06
6	4	25	26	9711.93	1	3930.60	2.5441	0.0400	0.0	0.0	3.63E-07	1.25E-05	9.53E-05	3.44E-04
e	6	25	24	13239.77	2	3930.64	2.5441	0.0400	0.0	0.0	0.0	0.0	8.04E-08	5.105-07
4	2	42	43	7809.34	1	3930.80	2.5440	0.0400	0.0	1.37E-08	4.54E-06	7.31E-05	3.53E-04	9.42E-04
6	4	e	9	6392.08	2	3931.00	2.5439	0.055C	0.0	0.0	1.18E-08	2.398-07	1.32E-06	3.87E-06
5	3	19	20	€962.68	2	3931.64	2.5435	0.0458	0.0	0.0	1.60E-07	1.83E-06	7.23E~06	1.68E-05
7	5	5	4	10262.87	2	3931.75	2.5434	0.0645	0.0	0.0	0.0	2 . 1 4E-08	1.86E-07	7.33E-07
2	0	45	46	2947.55	2	3932.17	2.5431	C.0400	0.0	2.57E-07	3.88E-06	1.33E-05	2.54E-05	3.66E-05
8	€	26	25	13326.42	2	3932.37	2.5430	0.0400	0.0	0.0	0.0	0.0	7.73E-08	4.97E-07
9	7	13	12	14729.70	1	3932.96	2.5426	0.0540	0.0	0.0	0.0	4.61E-08	1.17E-06	9.46E-06
3	1	37	38	4783.45	2	3933.02	2.5426	0.0400	0.0	8.99E-08	2.65E-06	1.27E-05	2.97E-05	4.88E-05
٤	6	2	3	12485.47	1	3933.54	2.5422	0.0707	0.0	0.0	0.0	1.11E-07	1.64E-06	9.25E-06
2	0	56	57	6288.75	1	3933.70	2.5421	0.0400	0.0	1.058-07	1.04E-05	9.09E-05	3.05E-04	6.39E-04
3	1	49	50	6961.20	1	3933.96	2.5420	0.0400	0.0	5.80E-08	9.78E-06	1.12E-04	4.42E-04	1.03E-03
e	€	27	26	13416.50	2	3934.04	2.5419	0.0400	0.0	0.0	0.0	0.0	7.40E-08	4.83E-07
7	5	14	15	10892.23	1	3934.56	2.5416	0.0517	0.0	0.0	4.76E-08	2.62F-06	2.66E-05	1.16F-04
7	5	6	5	10280.43	2	3934.87	2.5414	0.0621	0.0	0.0	0.0	2.53E-08	2.21E-07	8.73E-07
6	4	7	8	8360.19	2	3935.06	2.5413	0.0574	0.0	0.0	1.11E-08	2.216-07	1.22E-06	3.55E-06
4	2	2€	29	5733.20	2	3935.06	2.5413	0.0400	0.0	1.48E-08	9+36F~07	6.55E-06	1.925-05	3.67E-05
5	7	14	13	14776.45	1	3935.57	2.5409	0.0528	0.0		0.0	4.726-08	1.21E-06	9.86E-06
a	đ	28	27	12510.01	2	3935.64	2.5409	0.0400	0.0	0.0	0.0	0.0	7.05E-08	4.67E-07
6	4	24	25	9616.03	1	3936.01	2.5406	0.0400	C.O	0.0	4.09E-07	1.35E~05	1.01E-04	3.60E-04
5	3	33	34	8567.12	1	3936.29	2.5405	0.0400	0.0	0.0	1.87E-06	4.08E-05	2.37E-04	7.13E-04
5	3	18	19	6891.30	2	3936.43	2.5404	0.0470	0.0	0.0	1.72E-07	1.915-06	7.39E-06	1.70E-05
9	7	82	81	26133.74	1	3936.56	2.54C3	0.0400	0.0	0.0	0.0	0.0	0.0	9.80E-09
8	6	29	28	13606.95	2	3937.17	2.5399	0.0400	0.0	0.0	0.0	6.0	6.69E-08	4.50E-07
8	6	1	2	12474.57	1	3937.31	2.5398	0.0738	0.0	0.0	0.0	7.51E-08	1.11E-06	6.25E-06
4	2	41	42	7648.97	1	3937.38	2.5398	0.0400	0.0	1.97E-08	5.76E-06	8.68E-05	4.04E-04	1.05E-03
7	5	7	6	10301.50	2	3937.92	2.5394	0.0597	0.0	0.0	0.0	2.89E-08	2.54E-07	1.01E-06
ç	7	15	14	14826.79	1	3938.11	2.5393	0.0517	0.0	0.0	0.0	4.79E-08	1.25E-06	1.02E-05
8	6	30	29	13707.32	2	3938.63	2.5390	0.0400	0.0	0.0	0.0	0.0	6.31E-08	4.32E-07
2	0	44	45	3780.65	2	3938.65	2.5389	0.0400	0.0	3.76E-07	4.98E-06	1.60E-05	2.93E-05	4.10E-05
3	1	36	37	4646.24	2	3938.95	2.5387	0.0400	0.0	1.225-07	3.23E-06	1.46E-05	3.31E-05	5.32E-05
6	4	6	7	8331.84	2	3939.06	2.5367	C.0597	0.0	0.0	1.02E-08	2.01E-07	1 - 10E-06	3.19E-06
9	7	81	90	25855.22	1	3939.18	2.5386	0.0400	0.0	0.0	0.0	0.0	0.0	1.20E-08
7	5	12	14	10837.26	1	3939.20	2.5386	0.0528	0.0	0.0	4.87E-08	2.63E-06	2.63E-05	1.14E-04

¥U	VL	Jυ	JŁ	LCWER STATE	CODE	WAVE RUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ÄBSCRI CN-2*		EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
3	6	21	30	13811.11	2	3940.03	2.5381	0.0400	0.0	0.0	0.0	0.0	5.95E-08	4.13E-07
4	2	27	28	5629.04	2	3940.44	2.5378	0.0400	0.0	1.85E-08	1.07E-06	7.20E-06	2.06E-05	3-88E-05
9	7	16	15	14880.71	1	3940.57	2.5377	0.0505	0.0	0.0	0.0	4.81E-08	1.27E-06	1.05E-05
7	5	8	7	10326.08	2	3940.90	2.5375	0.0574	0.0	0.0	0.0	3.23E-08	2.85E-07	1.14E-06
3	1	46	49	6773.78	1	3941.02	2.5374	0.0400	0.0	8.94E-08	1.30E~05	1.38E-04	5.21E-04	1.18E-03
8	6	0	1	12467.30	1	3941.02	2.5374	0.0769	0.0	0.0	0.0	3.80E-08	5.62E-07	3.16E-06
5	3	17	18	6823.48	2	3941.17	2.5373	0.0482	0.0	0.0	1.82F-07	1.97E-06		
2	ō	56	56	6074.14	1	3941.22	2.5373	0.0400	C.O	1.74E-C7	1.44E-05		7.51E-06	1.71E-05
9	6	32	31	13918.32	_	3941.35	2.5372	0.0400	0.0	0.0		1.16E-04	3.70E-04	7.48E-04
6	4	23	24	5523.78		3941.35	2.5372				0.0	0.0	5.57E-08	3.94E-07
Š	7	80	79	25579.82		3941.71		0.0412	0.0	0.0	4.57E-07	1.46E-05	1.06E~04	3.74E-04
5	3	32	33	£440.93	_		2.537C	0.0400	0.0	0.0	0.0	0.0	0.0	1.47E-08
8	6	33	32	14028.93	_	3942.25	2.5366	0.0400	0.0	0.0	2.23E-06	4.63E-05	2.60E-04	7.68E-04
8	6	67	5£	19781.77		3942.60	2.5364	0.0400	0.0	0.0	0.0	0.0	5.20E-08	3.75E-07
9	7					3942.84	2.5362	0.0400	0.0	0.0	0.0	0.0	0.0	9.43E-09
		17	16	14938.22		3942.96	2.5362	C.0493	0.0	0.0	0.0	4.80E-08	1.28E-06	1.07E05
6	4	•	- 6	8307.03		3942.99	2.5361	0.0621	0.0	0.0	0.0	1.79F-07	9.71E-07	2.80E-06
7	5	12	13	10785.94	1	3943.76	2.5357	0.0540	0.0	0.0	4.93E-08	2+61E-06	2.57E-05	1+11E-04
8	6	34	33	14142.96		3943.78	2.5356	0.0400	0.0	0.0	0.0	0.0	4 - 84E-08	3.55E-07
7	5	9	8	10354.17	2	3943.82	2.5356	0.0550	0 • C	0.0	0.0	3.53E-08	3.14E-07	1.26E-06
4	2	40	41	7492.24	1	3943.90	2.5356	0.0400	0.0	2.81E-08	7.25E-06	1.03E-04	4.60E-04	1.17E-03
ę	6	e e	65	19558.57	2	3944.03	2.5355	0.0400	0.0	0.0	0.0	0.0	0.0	1.10E-08
ç	7	75	76	25307.56	1	3944.16	2.5354	0.0400	0.0	0.0	່ວ•ດ້	0.0	0.0	1.80E-08
3	1	35	36	4512.58	2	3944.9C	2.5349	0.0400	0.0	1.64F-07	3.91E-06	1.68E-05	3.68E-05	5.78E-05
8	£	35	34	14260.39	2	3944.9¢	2.5349	0.0400	0.0	0.0	0.0	0.0	4.48E-08	3.35E-07
2	C	43	44	3617.28	2	3945.C7	2.5348	0.0400	0.0	5.46E-07	6.35E-06	1.91E-05	3.376-05	4.59E-05
e	6	€5	64	19338.57	2	3945.15	2.5348	0.0400	0.0	0.0	0.0	0.0	0.0	1-29E-08
9	7	10	17	14999.30	1	3945.28	2.5347	0.0482	0.0	0.0	0.0	4.75E-08	1.29E-06	1.08€-05
4	2	26	27	E528.43	2	3945.77	2.5344	0.0400	0.0	2.28E-08	1.22E-06	7.88E-06	2.20E-05	4.07E-05
5	3	16	17	6755.20	2	3945.87	2.5343	0.0493	0.0	0.0	1.92E-07	2.02E-06	7.58E-06	1.71E-05
8	ŧ	36	35	14381.22	2	3945.94	2.5343	C.0400	0.0	0.0	0.0	0.0	4.13E-08	3.15E-07
8	6	64	63	19121.76	2	3946.19	2.5341	0.0400	0.6	0.0	0.0	0.0	0.0	-
9	7	78	77	25038.44	1	3946.53	2.5339	C.040C	0.0	0.0	0.0	0.0	0.0 " " -	1.50E-08 2.19E-08
6	4	22	23	9435.20	ī	3946.62	2.5338	0.0423	0.0	0.0	5.07E-07			
7	5	10	9	10385.77	2	3946.68	2.5338	0.0547	0.0			1.56E-05	112E-04_	3.86E-04
6	4	4	É	8285,77	2	3946.86	2.5337	0.0645		0.0	0.0	3.80E-08	3-40E-07	1.37E~06
8	έ	27	36	14505.45	2	3946.91	2.5336		0.0	0.0	0.0	1.53E-07	8.30E-07	_2+39E-06
ē	6	63	62	18908.16	2	,		0.0400.	C.C	0.0	0.0	0.0	3.79E-08	2.95E-07
S	7	19	18	15063.96	1	3947.16	2.5335	0.0400	0.0	0.0	0.0	0.0	0.0	1.73E-08
8	6	38	37	14623.06	_	3947.53	2.5332	0.0470	0.0	0.0	0.0	4.66E-08	1.28E-06	1.09E-05
3	1	47	46	6589.98		3947.82	2.5330	0.0400	0 • C	0.0	_0.0	0.0	3.47E-08	2.75E-07
8	6	62	4 E		1	3948.02	2.5329	0.0400	0.0	1.37E-07	1.71E-05	1.695-04	6 - 1 I E-04	1.34E~03
-	3			18657.77	2	3948.06	2.5329	0.0400	0.0	0.0	0.0	0.0	0.0	2.00E-08
5		31	32 C	8318.38	1	3948.15	2.5328	0.0400	0.0	0.0	2.64E-06	5.216-05	2 • 85E C4	8.25E-04
9	6	-	•	12463.66	1	3948.22	2.5328	0.0769	0.0	0.0	0.0	3.86E-08	5.70E-07	3.50E-00
7	5	11	12	10738.28	1	3948.26	2.5328	0.0542	0.0	0.0	4.93E-08	2.56E-06	2.50E-05	1.06E-04
9	6	29	36	14764.06	2	3948-65	2.5325	0.0400	0.0	0.0	0.0	0.0	3.16E-08	2.56E-07
2	C	54	55	5863.14	1	3948.65	2.5325	C.0400	0.0	2.85E-07	2.00E-05	1.47E-04	4.47E-04	8.74E-04
9	?	77	76	24772.47	1	3948.82	2.5324	0.0400	0+0	0.0	0.0	0.0	0.0	2.65E-08
8	£	61	6 C	18490.61	2	3948.88	2.5324	0.040C	0.0	0.0	0.0	0.0	0.0	2.31E-08
8	ć	40	39	14858.44	2	3949.41	2.5320	0.0400	0.0	0.0	0.0	0.0	2.87E-08	2.37E-07
7	5	11	1 Ç	10420.87	2	3949.46	2.5320	0.0545	0.0	0.0	0.0	4.03E-08	3.64E-07	1.47E-06
8	6	60	59	18266.68	2	3949.63	2.5319	0.0400	0.0	0.0	0.0	0.0	0.0	2.66E-08
9	7	20	19	15132.20	1	3949.71	2.5318	0.0458	0.0	0.0	0.0	4.54E-08	1.27E-06	1.09E-05
8	6	41	4 C	15036.20	2	3950.10	2.5316	0.0400	0.0	0.0	0.0	0.0	2.59E-08	2.19E-07
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VU	٧L	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF Width	******	*** INTEGRATE	D ** ABSOR		FFICIENT *	****
				ENERGY		CM-1	#ICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
e	6	59	58	18085.99	2	3950.31	2.5314	G. 04GG	0.0	0.0	0.0	0.0	0.0	3.05E-08
4	2	35	40	7329.16	1	3950.35	2.5314	0.0400	0.0	3.975-08	9.07E-06	1.21E-04	5.22E-04	1.296-03
5	3	15	16	6658.49	ž	3950.44	2.5314	0.0505	0.0	0.0	2.00E-07	2.06E-06	7.60E-06	1.70E-05
ě	4	3	4	8268.04	2	3950.67	2.5317	0.0575	0.0	0.0	0.0	1.26E-07	6.78E-07	1.95E-06
ě	6	42	41	15177.32	2	3950.72	2.5312	0.0400	0.0	0.0	0.0	0.0	2.33E-08	2.02E~07
3	ī	34	35	4382.47	2	3950.75	2.5312	0.0400	0.0	2.19E-07	4.70E-06	1.925-05	4.07E-05	6.26E-05
ē	6	58	57	17888.55	2	3950.91	2.5311	0.0400	0.0	0.0	0.0	0.0	0.0	3.49E-08
Š	7	76	75	24509.67	1	3951.02	2.5310	0.0400	0.0	0.0	0.0	0.0	0.0	3.21E-08
4	ż	25	26	5431.39	ž	3951.03	2.5310	0.0400	0.0	2.79E-08	1.38E-06	8.57E-06	2.34E-05	4.26E-05
ė	ē	43	42	15321.80	2	3951-27	2.5308	0.0400	0.0	0.0	0.0	0.0	2.09E-08	1.85E-07
8	6	57	56	17694.37	2	3951-44	2.5307	0.0400	0.0	0.0	0.0	0.0	0.0	3.99E-08
2	ō	42	43	3457.45	2	3951.44	2.5307	0.0400	0.0	7.86E-07	8.04E-06	2.27E-05	3.856-05	5.12E-05
ē	6	2	1	12467.30	ī	3951.71	2.5306	0.0738	0.0	0.0	0.0	7.73E-08	1 • 14E-06	6.42E-05
ē	6	44	43	15469.65	ż	3951.75	2.5305	0.0400	0.0	0.0	0.0	0.0	1.87E-08	1.696-07
9	7	21	20	15204.01	ī	3951.81	2.5305	0.0447	0.0	0.0	0.0	4.40E-08	1.25E-06	1.09E-05
é	4	21	22	9350.27	i	3951.83	2.5305	0.0435	0.0	0.0	5.59E-07	1.66E-05	1.16E-04	3.97E-04
ē	6	56	55	17503.45	2	3951.90	2.5304	0.0400	0.0	0.0	0.0	0.0	0.0	
ē	6	45	44	15620.85	2	3952.16	2.5303	0.0400	0.0	0.0	0.0	0.0	1.66E-08	4.54E-08 1.54E-07
7	5	12	11	10459.48	2	3952.18	2.5302	0.0542	0.0	0.0	0.0	4.22E-08	3.85E-07	
ė	ě	55	54	17315.80	2	3952.29	2.5302	C.0400	0.0	0.0	0.0	0.0	0.0 - 3.03E-01	1.57E-06 5.15E-08
ē	ě	46	45	15775.39	2	3952.49	2.5301	0.0400	_0.0	0.0	0.0			
8	6	54	53	17131.43	2	3952.60	2.5300	0.0400	0.0	0.0	0.0	_ 0.0	1.47E-08	1 • 40E-07
7	5	16	11	10694.28	1	3952.69	2.5299	0.0545	0.0	0.0	4.88E-08	2.48E-06		5.83E-08
8	6	47	46	15933.27	2	3952.76	2.5299	0.0400	0.0	0.0	0.0	0.0	2.40E-05 1.30E-08	1.02E-04
ē	6	52	52	16950.35	2	3952.84	2.5258	0.0400	0.0	0.0	0.0	0.0		1.276-07
ē	ě	48	47	16094.49	2	3952.95	2.5298	0.0400	0.0	0.0	0.0	0.0	0.0 1.15E-08	6.58E-08 1.15E-07
ě	ě	52	51	16772.57	2	3953.0¢	2.5257	0.0400	0.0	0.0	0.0	0.0	0.0	7.40E-08
ě	Ē	49	48	16259.04	2	3953.07	2.5297	0.0400	0.0	0.0	0.0		1.00E-08	
ē	ě	51	50	16598.08	2	3953.10	2.5297	0.0400	0.0	0.0	0.0	0.0	0.0	1.03E-07
ē	ě	50	49	16426.90	2	3953.12	2.5296	0.0400	0.0	0.0	0.0	0.0	0.0	9.27E-08
9	7	75	74	24250.05	1	3953.15	2.5256	C+0400	0.0	0.0	0.0	0.0	0.0	
9	7	22	21	15279.39	î	3953.84	2.5292	0.0435	0.0	0.0	0.0	4.23E-08	1.23E-06	3.88E-08 1.08E-05
Ś	3	30	31	e199.50	ī	3953.99	2.5291	0.0400	0.0	0.0	3.11E-06	5.85E-05	3.11E-04	8.82E-04
6	Ā	2	3	8253.86	ž	3954.41	2.5288	0.0707	0.0	0.0	0.0	9.65E-08	5.18E-07	1.48E-06
7	5	13	12	10501.59	2	3954.83	2.5286	0.0540	0.0	0.0	0.0	4.38E-08	4.03E-07	
ġ	1	46	47	6409.82	ī	3954.95	2.5285	0.0400	0.0	2.07E-07	2.25E-05	2.07E-04	7.14E-04	_ 1.65E-06 1.52E-03
5	3	14	15	6641.34	2	3954.98	2.5285	0.0517	0.0	·0•0	2.06E-07			
ē	6	3	2	12474.57	ī	3955.14	2.5284	0.0707	0.0	0.0	0.0	2.07E-06 1.16E-07	7.57E-06 1.71E-06	1.67E-05
9	7	74	73	23993.62	î	3955.20	2.5283	0.0400	0.0	0.0	0.0	0.0		
ģ	7	23	22	15358.34	î	3955.79	2.5279	0.0423	0.0	0.0	0.0	4.04E-08	0.0	4.67E-08
ź	ė	53	54	5655.77	î	3956.10	2.5277	0.0400	0.0	4.61E-07	2.74E-05		1.20E-06	1.07E-05
4	2	24	25	5337.91	2	3956.23	2.5277	0.0400	0.0	3.37E-08	1.55E-06	1.86E-04 9.27E-06	5.38E-04	E0-320.1
3	1	33	34	4255.91	2	3956.53	2.5275	0.0400	0.0	2.89E-07	5.61E~06			4.44E-05
4	2	38	39	7189.73	ī	3956.74	2.5273	0.0400	0.0	5.56E-08	1.13E~05	2.17E-05	4.48E-05	6.76E-05
6	4	20	21	9269.02	1	3956.97	2.5272	0.0447	0.0	0.0		1.41E-04	5.90E-04	1.435-03
7	5	- 9	10	10653.94	î	3957.05	2.5271	0.0547	0.0	0.0	6.10E-07 4.75E-08	1.76E-05 2.38E-06	1.21E-04	4.07E-04
9	7	73	72	23740.39	1	3957.05	2.5271	0.0400	0.0				2.28E-05	9.58E-05
7	ś	14	13	10547.20	ż	3957.42	2.5269	0.0528	0.0	0.0	.0.0	0.0	0.0	_5-61E-08
9	7	24	23	15440.84	1	3957.68	2.5267	0.0528	0.0	0.0	0.0	4.49E-08 3.84E-08	4-18E-07	1.725-06
2	ċ	41	42	3301.17	2	3957.74	2.5267	0.0400	0.0	1.12E-06	1.016-05	2.68E-05	1.16E-06	1405E-05
ē	4	"i	2	8242.23	2	3958.09	2.5265	0.0738	0.0	0.0	0.0		4.39E-05	5.69E-05
ε	6	à	3	12485.47	1	3958.49	2.5262	0.0676	0.0	0.0	0.0	6.54E-08 1.53E-07	3.51E-07	1.00E-06
g	7	72	71	23490.38	i	3959.04	2.5259	0.0400	0.0		0.0		2.27E-06	1.28E-05
•	•		• •	2= .20,00	•	222704		*******		0.0.		ō•ō	.0.0	6.71E-08

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE "	HALF	******	** INTEGRATI	ED ** A850F		EFFICIENT *	*****
		•	~	ENERGY	•	CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
-	-				, ,									
5 \$	3 7	25	$-\frac{14}{24}$	65,87,74 15526,91	2	3959 <u>.46</u> 3959.48	2.5256	0.0528	. 0.0	0.0	2• <u>11E-07</u> _	2.07E-06_	7.47E-06	1.64E-05
5	ž	25	30	8084.29	-			0.0400	0.0	0.0	0.0	3.63E-08	1 • 12E-06	1.02E-05
7	5	15	14	10596.32	1 2	3959 .7 6 3959 . 94	2.5254 2.5253	0.0400	0.0	0.0	,,3,63E-06	. 6.52E-05	3.37E-04,	9.39E-04
Ś	7	71	7c	23243.58		3960.85		0.0517	0.0	0.0	0.0	4.56E-08	4.29E-07	1.79E-06
ģ	7	26	25	15616.54		3961.22	2.5247 2.5245	0.0400	0.0	0.0		0.0	0.0	8.01E-08
7	5	20	9	10617.26		3961.34		0.0400		0.0	0.0	3.40E-08	1.07E-06	9.96E-06
4	2	23	24	5247.99		3961.37	2.5244 2.5244	0.055¢ 0.0412	0.0	0 • 0 4 • 04E08	4.55E-08	2.25E-06	2.13E-05	8-92E-05
6	4	Č	1	8236.14		3961.70	2.5244	0.0769	0.0		1.73E-06	9.96E-06	2.60E-05	4.60E-05
ē	6	5	4	12500.01		3961.78	2.5241	0.0645	0.0	0.0	0.0	3.31 <u>E</u> -08.	1.77E-07	5.06E-07
3	ī	45	46	6233.30		3961.82	2.5241	0.0443	0.0	3.116-07		1.89E-07	2.82E-06	1.59E-05
ě	4	19	20	9191.44	î	3962.04	2.5240	0.0458	0.0	0.0	2.93E-05 6.61E-07	2.51E-04	8.32E-04	1.73E-03
3	1	Jź	33	4132.93	ž	3962.26	2.5238	0.0400	0.0	3.79E-07	6.65E-06	1.85E-05 2.46E-05	1 • 25E-04 4 • 91E-05	4.15E-04 7.27E-05
7	- 5	16	15	10648.93	2	3962.39	2.5237	0.0505	0.0	0.0	0.032-00	4.59E-08	4.38E-07	1.845-06
9	7	70	69	10.00052	ī	3962.57	2.5236	0.0400	0.0	0.0	0.0	0.0	0.0	
9	7	27	26	15709.71	1	3962.88	2.5234	0.0400	0.0	0.0	0.0	3.18E-08	1.02E-06"	9.53E-08 9.64E-06
4	2	37	38	7043.96	ī	3963.06	2.5233	0.0400	0.0	7.72E-08	1.395-05	1.65E-04	6.64E-04	1.575-03
2	G	52	53	5452.01	1	3963.44	2.5231	0.0400	0.0	7.41E-07	3.74E-05	2.35E-04	6.45E-04	1.186-03
5	ž	12	13	6537.71	2	3963.88	2.5228	0.0540	0.0	0.0	2.13E-07	2.06E-06	7.31E-06	1.59E-05
2	C	40	41	3148.44	2	3963.98	2.5227	0.0400	0.0	1.59E-06	1.27E-05	3.16E-05	4.98E-05	6.31E-05
9	7	69	68	22759.69	1	3964.22	2.5226	0.0400	0.0	0.0	0.0	0.0	0.0	1.13E-07
9	7	28	27	15806.43	1	3964.47	2.5224	0.0400	0.0	0.0	0.0	2.956-08	9.71E-07	9.30E-06
7	5	17	16	10705.04	2	3964.77	2.5222	E640.0	0.0	0.0	0.0	4.58E-08	4.43E-07	1.88E-06
8	6	6	5	12518.18	1	3964.99	2.5221	0.0621	0.0	0.0	0.0	2.236-07	3.34E-06	1.89E-05
5	3	26	29	7972.75	_	3965.46	2.5218	0.0400	0.0	1.11E-08	4.22E-06	7 • 24E-05	3.64E-04	9.98E-04
7	5	7	8	10584.25	1	3965.57	2.5217	0.0574	0.0	0.0	4.29E-08	2.09E-06	1.97E-05	8.18E-05
9	7	68	67	22522.63	1	3965.78	2.5216	0.0400	0.0	0.0	0.0	0.0	0.0	1.345-07
S	7	29	28 -	15906.70	1	3965.98	2.5214	C.0400	0.0	0.0	0.0	2.725-08	9.17E-07	8.94E-06
4	2	22	23	5161.65	2	3966.45	2.5211	0.0423	0.0	4.78E-08	1.91E-06	1.06E-05	2.72E-05	4.75E-05
6	4	18	19	9117.53	1	3967.04	2.5208	0.0470	0.0	0.0	7.10E-07	1.93E-05	1.28E-04	4.20E-04
7	5	18	17	10764.64	2	3967.09	2.5207	0.0482	0.0	0.0	0.0	4.54E-08	4.45E-07	1.905-06
9	7	67	66	22288.82	1	3967.26	2.5206	0.0400	0.0	0.0	0.0	0.0	0.0	1.58E-07
9	7	30	29	16010.51	1	3967.42	2.5205	0.0400	0.0	0.0	0.0	2.50E-08	8.63E-07	8.55E-06
3	1	31	32	4013.51	2	3967.93	2.5202	0.0400	0.0	4.91E-07	7.83E-06	2.76E-05	5.36E-05	7.78E-05
8	6	7	6	12539.99	1	3968.14	2.5201	0.0597	0.0	0.0	0.0	2.55E-07	3.84E-06	2.18E-05
5	3	11	12	6491.25	2	3968.23	2.5200	0.0542	0.0	0.0	2.13E-07	2.02E-06	7.09E-06	1.53E-05
3	1	44	45	6060.43	1	3968.63	2.5198	0.0400	0.0	4.62E-07	3.79E-05	3.03E-04	9.64E-04	1.955-03
9	7	66	65	22058.29	1	3968.67	2.5197	0.0400	0.0	0.0	0.0	0.0	0.0	1.86E-07
6	4	1	0	8232.59	2	3968.72	2.5197	0.0769	0.0	0.0	0.0	3.36E-08	1.80E-07	5.13E-07
9	7	31	30	16117.86	1	3968.79	2.5197	0.0400	0.0	0.0	0.0	2.28E-08	8.10E-07	8.16E-06
4	2	36	37	6901.85	1	3969.33	2.5193	0.0400	0.0	1.06E-07	1.71E-05	1.91E-04	7.43E-04	1.72E-03
7	5	19	18	10827.74	2	3969.34	2.5193	0.0470	0.0	0.0	0.0	4.47E-08	4.45E-07	1.92E-06
7	5	6	7	10554.90	1	3969.72	2.5191	0.0597	0.0	0.0	3.95E-08	1.90E-06	1.78E-05	7.36E-05
9	7	65	64	21831.04	1	3969.99	2.5189	0.0400	0.0	0.0	0.0	0.0	0.0	2.18E-07
9	7	32	31	16228.73		3970.08	2.5188	0.0400	0.0	0.0	0.0	2.08F-08	7.57E-07	7.76E-06
2	0	39	40	2999.27	2	3970.16	2.5188	0.0400	0.0	2.22E-06	1.58E-05	3.70E-05	5.63E-05	6.96E-05
2	C	51	52	5251.89	1	3970.72	2.5184	0.0400	0.0	1.18E-06	5.08E-05	2.94E-04	7.70E-04	1.375-03
5	3	27	28	7864.89	1	3971.10	2.5182	0.0400	0.0	1.40E-08	4.86E-06	8.00E-05	3.92E-04	1.06E-03
8	6	8	7	12565.43	1	3971.21	2.5181	0.0574	0.0	0.0	0.0	2.85E-07	4.31E-06	2.46E-05
9	7	64	63	21607.08	1	3971.24	2.5181	0.0400	0.0	0.0	0.0	0.0	1.05E-08	2.55E-07
_	7	33	32	16343.14	1	3971.30	2.5161	0.0460	0.0	0.0	0.0	1.88E-08	7.04E-07	
9										0.0	0.0	*****	1 4 0 7 6 7 6 7	10006-00
4 7	2	21 20	22 19	5078.88 10894.32		3971.47	2.5180	0.0435	0.0	5.61E-08	2.10E-06	1.13E-05	2.84E-05	7.35E-06 4.88E-05

_	VÜ	٧L	JU	JL	LOWER STATE	COOE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
					ENERGY		CM-1 :"	MICRON	N2	T = 300_	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	6	4	17	18	9047.30	1	3971.98	2.5176	0.0482	0.0	0.0	7.57E-07	2.00E-05	1.30E-04	4.23E-04
	6	` 4	` 2	1	8236.14		3972.14	2.5175	0.0738	0.0	0.0	0.0	6.74E-08	3.61E-07	1.03E-06
	9	7	63	62	21386.43		3972.41	2.5174	0.0400	0.0	0.0	0.0	0.0	1.27E-08	2.97E-07
	9	7	34	33	16461.06		3972.44	2.5173	0.0400	0.0	0.0	0.0	1.69E-08	6.52E-07	6.94E-06
	5	3	10	. 11	€448.35		3972.52	2.5173	0.0545	0.0	0.0	2.10E-07	1.95E-06	6.81E-06	1.46E+05
	9	7	62	`61	21169.09		3973.49	2.5167	0.0400	0.0	0.0	0.0	0.0	1.53E-08	3.46E-07
	9	7	35	34	16582.50		3973451	2.5167	0.0400	0.0	0.0	0.0	1.525-08	6.01E-07	6.52E-06
	3	1	30	31	3897.66		3973.53	2.5167	0.0400	0.0	6.30E-07	9-16E-06	3.08E-05	5.82E-05	8.30E-05
	7	5	21	20	10964.39		3973.63	2.5166	0.0447	0.0	0.0	0.0	4.24E-08	4.36E-07	1.92E-06
	7	5	5	6	10529.21		8973.81	2.5165	0.0621	0.0	0.0	3.54E-08	1.69E-06	1.57E-05	6.47E-05
	8	6	g	ē	12554.50		3974.21	2.5162	0.0550	0.0	0.0	0.0	3.11E-07	4.74E-06	2.72E-05
	ē	6	89	87	26018.06		3974.22	2.5162	0.0400	0.0	- 0.0	7 0 0	0.0	0.0	9.26E-09
	g	7	36	35	16707.46	-	3974.50	2.5160	0.0400	0.0	0.0	0.0	1.356-08	5.52E-07	
	q	7	61	6 C	20955.06		3974.50	2.5160	0.0400	0.0		0.0	0.0		_6.11E-06
	3	1	43	44	5891.22		3975.37	2.5155	0.0400	0.0	6.80E-07	4.885-05		1.84E-08	4.01E-07
	g	7	37	36	16835.92		3975.42	2.5155	0.0400	0.0	0.00	0.0	3.65E-04 1.20E-08	1.11E-03	2.19E-03
	ģ	7	60	59	20744.37	ī	3975.43	2.5155	0.0400	0.0				5.05E-07	5.70E-06
	é	À	3	ž.	8243.23	2 ~ '	3975.48	2.5154		0.0	. 0.0	0.0	0.0	2-19E-08	4.63E-07
	4	2	35	36	6763.42	1	3975.52	2.5154	0.0400	0.0	1.44E-07	0.0	1.01E-07	5.40E-07	1.54E-06
	7	5	22	21	11037.95	~ į · ·	3975.67	2.5153	0.0435	· 0 • 0	0.0	2.08E-05	2.20E-04	8-29E-04	1.87E-03
	9	7.	38	37	16967.88	1	3976.26	2.5153	0.0400	0.0		0.0	4.09E-08	4.28E-07	1'+91E-06
	ĵ.	7.	55	58	20537.02	<u>-</u>	3976.28	2.5149	0.0400	0.0	0.0	0.0	1.06E-08	4.60E-07	5.30E-06
ឩ	ź	ò	38	39	2853.67	2	3976.29				0.0	0.0	0.0	2.625-08	5.35E-07
•	4	2	20	21	4999.68	~ ž	3976.42	2.5149	,0.0400	0.0	3.08E-06_	1.95E-05	4.31E-05	6.34E-05	7.66E-05
	5	3	26	27					0.0447	0.0	6.51E-08	2.28E-06	1.19E-05	2.94E-05	4.99E-05
	5	3	9	10	7760.70	1 2	3976.67	2.5147	0.0400 _	. 0.0	1.74E-08_	5.57E-06	8.79E-05	4.20E-04	1.11E-03
	6	4	16	17		-	3976.74	2.5146	0.0547	0.0	0.0	2.04E-07	1.87E-06	6.46E-06	1.38E-05
	- 9		39	38	<u> </u>		3976.86	2.5145	<u> </u>	0.0	0.0	7.99E-07	2.05E-05	1.32E-04	4.23E-04
	9	7	58	57	17103.34	1	3977.02	2.5144	0.0400	0.0	0.0	0.0	0.0	4.176-07	4.92E-06
	8	6	10	9.	20333.01	1	3977.06	2.5144	0.0400	0.0	0.0		0.0	3.11E-08	6.16E-07
	ē	É	e7	86	12627.20	1	3977.14	2.5144	0.0547	0.0	0.0	0.0	3.34E-07	5.13E-06	2.96E-05
	7				25718-04	1	3977.30	.2.5143	_0.0400	0.0	0.0	0.0	0.0	0.0	1.16E-08
	ģ	5	23	22	11114.98	2	3977.65	2.5140	0.0423	0.0	0.0	0.0	3,-91E-08	4.18E~07	1.89E-06
	_	7	40	3.5	17242.29	1	3977.71	2-5140	0.0400	0.0	. 0.0	0.0	_0•0	3.76E-07	4.54E-06
	9	7 5	57 4	56	20132.36	1	3977.75	2.5140	0.0400	0.0	0.0	0.0	0.0	3.69E-08	7.07E-07
	7	_	•	-5	10507.20	1.	3977.83	2.5139	0.0645	0.0	0.0	.ã•07E-08	1.45E-06	1.34E-05	5.51E-05
	2	0	50	51	5055.41	1	3977.94	2.5139	0.0400	0.0	1.86E-06	6.85E-05	3.67E-04	9.16E-04	1.57E-03
	9	7.	41	. 40	17384.73	, 1	3978.33	2.5136	0.0400	0.0	0.0	0.0	. 0.0	3.39E-07	4-18E-06
	9	7	5€	55	19935.07	1	3978.37	2.5136	0.0400	0.0	0.0	0.0	0.0	4.36E-08	8.09E-07
	6	4.	4	.₹.	8253.86	2	,3978.77	2.5133	0.0676	0.0	. 0•0	. <u>0.0</u>	1 <u>.34E-07</u>	7.18E-07	2.05E-06
	9	7	42	41	17530.64	1	3978.87	2.5133	0.0400	0.0	0.0	0.0	0.0	3.03E-07	3.83E-06
	9	7	55	54	19741.15	1	3978.91	2.5133	0.0400	0.0	0.0	0.0	0.0	5.13E-08	9.22E-07
	3	1	29	30	3785.38	2	3979.07	2.5131	0.0400	0.0	8.01E-07	1.07E-05	3.42E-05	6.30E-05	8.82E-05
	9	7	43	42	17680.03	1 .	3979.33	2.5130	0.0400	0.0	0.0	0.0	0.0	2.71E-07	3.50E-06
	9	7	54	53	19550.62	1	3979.37	2.5130	0.0400	0.0	0.0	0.0	0.0	6.01E-08	1.05E-06
	7,	5	24	23	11195.50	2	3979.55	2.5128_	0.0412	0.0	0.0	0.0	3.73E-08	4.05E-07	1.86E-06
	9	7	44	43	17832.88	1	3979.72	2.5127	0.0400	0.0	0.0	0.0	0.0	2.41E-07	3.19E-06
	S	7	53	52	19363.47	1	3979.75	2.5127	0.0400	0.0	0.0	0.0	0.0	7.03E-08	1-19E-06
	9	6	11	10	12663.53	i	3980.00	2.5126	0.0545	0.0	0.0	0.0	3.54E-07	5.48E-06	3.18E-05
	9	7	45	44	17989.20	1	3980.03	2.5125	0.0400	0.0	0.0	0.0	0.0	2.13E-07	2.90E-06
	9	7	52	51	15179.72	1	3980.05	2.5125	0.0400	0.0	0.0	0.0	0.0	8.186-08	1.34E-06
	9	7	46	4,5	16148.97	1	3980.26	2.5124	0.0400	0.0	0.0	0.0	0.0	1.88E-07	2.62E-06
	9	7	51	50	18999.38	1	3980.28	2.5124	0.0400	0.0	0.0	"ó•ó	0.0	9-48E-08	1.51E-06
	8	6	86	85	25421.09	1	3980.29	2.5124	0.0400	0.0	0.0	0.0	0.0	0.0	1.44E-08
												. 1 - 3	- 		

VÜ	VL	Ju	JL	LOWER State	CODE	WAVE Number "	WAVE LENGTH	HALF - WIDTH	*****	** INTEGRATE	ED ** ABSORI		FFICIENT *	****
****				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
														. .
9	. 7	47	46	18312-18	_1 _	3980.42	2.5123	0.0400	0.0	0.0	0.0	0.0	1.656-07	2.36E-06
ģ	٠ ;	50	49	18822.44	~ī ^ ·	3980.43	2.5123	C.0400	0.0	0.0	0.0 '	0.0	1.10E-07	1.70E-06
9	7	48	47	16478.84	ī	3980.50	2.5122	0.0400	0.0	0.0	0.0	0.0	1 45E-07	2-136-06
9	7	49	48	18648.93	1	3980.51	2.5122	0.0400	0.0	0.0	0.0	0.0	1.26E-07	1.90E-06
£	Ē	8	9	6373.27	ē	3980.90	2.5120	0.0550	0.0	0.0	1.95E-07	1.77E-06	6.04E-06	1.285-05
4	2	19	20	4924.07	2	3981.31	2.5117	0.0458	0.0	7.47E-08	2.47E-06	1.25E-05	3.02E-05	5.08E-05
7	5	25	24	11279.49		3981.39	2.5117	0.0400	0.0	0.0	0.0	3.53E-08	3.92E-07	1.82E-06
4	2	34	35	6628.66	1	3981.65	2.5115	0.0400	0.0	1.95E-07	2.52E-05	2.53E-04	9.21E-04	2.04E-03
6	4	15	16	8917.88	ī	3981.66	2.5115	0.0505	0.0	0.0	8.356-07	2.09E-05	1.32E-04	4.21E-04
7	5	3	` 4	10488.85		3981.78	2.5114	0.0676	0.0	0.0	2.54E-08	1.195-06	1.10E-05	4.50E-05
6	4	5	4	8268.04	2	3981.98	2.5113	0.0645	0.0	0.0	0.0	1.655-07	8 • 90E~07	2.55E-06
3	1	42	43	5725.68	_	3982.05	2.5113	0.0400	0.0	9.93E-07	6.24E-05	4.36E-04	1.286-03	2.45E-03
5	ā	25	26	7660.20	ī	3982.18	2.5112	C.0400	0.0	2.156-08	6.33E-06	9.60E-05	4.48E-04	1.17E-03
2	ō	37	38	2711.64	2	3982.35	2.5111	0.0400	1.29E-08	4.245-06	2.39E-05	5.00E-05	7.11E-05	8.39E-05
ε	6	12	11	12703.48		3962.78	2.5108	0.0542	0.0	0.0	0.0	3.70E-07	5.79E-06	3.38E-05
7	5	26	25	11366.95		3983.16	2.5106	0.0400	0.0	0.0	0.0	3.325-08	3.76E-07	1.77E-06
Ē	6	85	84	25127.25		3983.20	2.5105	0.0400	0.0	0.0	0.0	0.0	0.0	1.79E-08
3	1	28	29	3676.69	_	3984.56	2.5097	0.0400	0.0	1.01E-06	1.23E-05	3.79E-05	6.80E-05	9.36E-05
7	5	74	73	19550.86	ž	3984.70	2.5096	0.0400	0.0	0.0	0.0	0.0	0.0	9.80E-09
7	5	27	26	11457.88	2	3984.86	2.5095	0.0400	0.0	0.0	0.0	3.11E-08	3.60E-07	1.72E-06
5	3	7	8	6341.08	2	3985.00	2.5094	0.0574	0.0	0.0	1.84E-07	1.64E-06	5.57E-06	1.17E-05
2	ō	49	50	4862.58	ī	3985.10	2.5093	0.0400	0.0	2.91E-06	9.18E-05	4.55E-04	1.09E-03	1.815-03
6	4	6	5	8285.77		3985.14	2.5093	0.0621	0.0	0.0	1.01E-08	1.95E~07	1.06E-06	3.04E-06
ē	6	13	12	12747.07		3985.50	2.5091	0.0540	0.0	0.0	0.0	3.83E-07	6.05E-06	3.56E-05
7	5	2	3	10474.17	1	3985-66	2.5090	0.0707	0.0	0.0	1.96E-08	9.15E-07	8.38E-06	3.43E-05
8	6	84	EЗ	24836.50	1	3986.02	2.5000	0.0400	0.0	0.0	0.0	0.0	0.0	2.226-08
4	2	1 8	19	4852.04	2	3986.14	2.5087	0.0470	0.0	8.47E-08	2.64E-06	1.305-05	3.09E-05	5.14E-05
7	5	73	72	19303.21	2	3986.39	2.5085	0.0400	0.0	0.0	0.0	0.0	0.0	1.175-08
6	4	14	15	£858.70	ī	3986.40	2.5085	0.0517	0.0	0.0	8.65E-07	2.12E-05	1.326-04	4.16E-04
7	5	28	27	11552.28	2	3966.49	2.5085	0.0400	0.0	0.0	0.0	2.89E-08	3.43E-07	1.66E-06
5	3	24	25	7563.39	1	3987.62	2.5078	0.0400	0.0	2.62E-08	7.14E-06	1.04E-04	4.75E-04	1.226-03
4	2	33	34	6457.59	1	3987.72	2.5077	0.0400	0.0	2.60E~07	3.03E-05	2.88E-04	1.02E-03	2.20E-03
7	5	72	71	15058.71	2	3988.00	2.5075	0.0400	0.0	0.0	0.0	0.0	0.0	1.39E-08
7	5	29	28	11650.14	2	3988.06	2.5075	0.0400	0.0	0.0	0.0	2.68E-08	3.25E-07	1.60E-06
9	6	14	13	12794.27		3988.14	2.5074	0.0528	0.0	0.0	0.0	3.91E-07	6.26E-06	3.71E-05
6	4	7	6	8307.03	2	3988.22	2.5074	0.0597	0.0	0.0	1.14E-08	2.23E-07	1.225-06	3.512-06
2	0	36	37	2573.18		3988.35	2.5073	0.0400	2.44E-08	5.77E-06	2.91E-05	5.77E-05	7.94E-05	9.16E-05
3	1	41	42	5563.80	1	3988.67	2.5071	0.0400	0.0	1 - 4 4E-06	7.92E-05	5.20E-04	1.47E-03	2.74E-03
8	6	83	82	24548.88	1	3988.77	2.5070	0.0400	0.0	0.0	0.0	0.0	0.0	2.756-08
5	3	6	7	6312.47	2	3989.03	2.5069	0.0597	0.0	0.0	1.69E-07	1.49E-06	5.03E-06	1.06E-05
7	5	1	2	10463.16	1	3989.47	2.5066	0.0738	0.0	0.0	1.34E-08	6.21E-07	5.67E-06	2.32E-05
7	5	71	7 C	18817.38	2	3989.53	2.5066	0.0400	0.0	0.0	0.0	0.0	0.0	1.66E-08
7.	5	30	29	11751.45		3989.55	2.5065	0.0400	0.0	0.0	0.0	2.47E-08	3.06E-07	1.53E-06
3	1	27	28	3571.58	2	3989.98	2.5063	C+0400	0.0	1.26E-06	1.41E-05	4.18E-05	7.30E-05	9.886-05
3	6	15	14	12845.10	1	3990.71	2.5058	0.0517	0.0	0.0	0.0	3.97E-07	6.42F-06	3.84E-05
4	2	17	18	4763.59		3990.90	2.5057	0.0482	0.0	9.51E-08	2.81E-06	1.35E-05	3.14E-05	5-17E-05
7	5	31	30	11856.22	2	3990.97	2.5057	C.0400	0.0	0.0	0.0	2.26E-08	2.88F-07	1.47E-06
7	5	70	69	18579.22	2	3990.99	2.5056	0.0400	0.0	0.0	0.0	0.0	0.0	1.96E-08
6	4	13	14	8803.20	1	3991.07	2.5056	0.0528	0.0	0.0	8 • 865-07	2.125-05	1.30E-04	4.08E-04
6	4	8	7	8331.84	2	3991.24	2.5055	0.0574	0.0	0.0	1.265-08	2.49E-07	1.36E-06	3-95E-06
8	6	82	81	24264.39	1	3991.43	2.5054	0.0400	0.0	0.0	0.0	0.0	0.0	3.39E-08
2	0	48	49	4673.40		3992.19	2.5049	0.0400	0.0	4.51E-06	1.22E-04	5.62E-04	1.285-03	2.07E-03
7	5	32	31	11964.44	2	3992.33	2.5048	0.0400	0.0	0.0	0.0	2.06E-08	2.70E-07	1.40E-06

							. с	ARBON MONOX	IDE					
٧U	٧L	. Ju	JL	LCWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	NS .	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	5	69	68	18344.26	2	3992.37	2.5048	0.0400	0.0					
Ś	3		6	6287.43	2	3993.00	2.5046	0.0621	0.0	0.0	0.0 1.51E-07	0.0 1.32E-06	0.0 4.44E-06	2.32E-08
5	3		24	7470.27		3993.00	2.5044	0.0412	0.0		8.00E-06			9.28E-06
7	5		1	10455.82	_	3993.21	2.5043	0.0769		3.16E-08		1.12 <u>F-04</u> _		1.27E-03
é	ě		15	12899.54		3993.21	2.5043	0.0505	0.0	0.0	0.0 0.0	3-14E-07	2.87E-06	1+17E-05
7	5		32	12076.10		3993.61	2.5040	0.0400	0.0	0.0	0.0	3.996-07	. 6.54E-06	3.94E-05
7	5		67	18112.48	2	3993.68	2.5040	0.0400	0.0	0.0		1.88E-08 0.0	2.526-07	1.33E-06
4	2		33	6370.20	1	3993.72	2.5039	0.0400	0.0	3.44E-07	0.0 3.61E-05	3.27E-04	0.0 1.12E-03	2.73E-08
3	6		80	23923.04	î	3994.01	2.5037	0.0400	0.0		0.0			E0-38E-03
6	4		8	8360.19	2	3994.19	2.5036	0.0550	0.0		1.36E-08	0.0	. 0.0	4-17E-08
2	0		36	2438.31	2	3994.29	2.5036	6.0400	4.55E-08	0.0 7.79E-06	3.53E-05	2.735-07	1.50E-06	4.37E-06
7	5		33	12191.21	2	3994.83	2.5030	0.0400	0.0	0*0 1*14E-06	0.0	6.63E-05	8-83E-05	9.97E-05
7	5		66	17883.92	2	3994.02	2.5032	0.0400		0.0		1.69E-08	2.346-07	1.26E-06
3	1	-	41	5405.60	1				0.0		_ 0.0	0.0	0.0	3.21E-08
2	1		27	3470.06	2	3995.22 3995.34	2.5030 2.5029	0.0400 0.0400	0.0	2.06E-06	1.00E-04	6.16E-04	1.67E-03	3.04E-03
4	ž		17	4718.72	2	3995.61	2.5027	0.0493		1.56E-06	1.61E-05	_4.57E-05.	7.80E-05	1.04E-04
8	6		16	12957.61	l	3995.64	2.5027	0.0493	0.0	1.05E-07	2.96E-06	1.38E-05	3.185-05	5.17E-05
6	4		13	8751.40	ì	3995.67	2.5027	0.0540		0.0	0.0 8.99E-07	3.97E-07_	6.60E-06	4.02E-05
7	5		34	12309.75	2	3995.97	2.5025	0.0400	0.0	0.0		2.11E-05	1.28E-C4	3.97E-04
7	5		65	17658.56	2	3996.08	2.5025	0.0400	0.0	0.0	0.0	1.52E-08_	2.16E-07	1.18E-06
ė	E		79	23704.85	1	3996.51	2.5025	0.0400	0.0	0.0	0.0	0.0		3.76E-08
5	3		5	6265.97	2	3996.90	2.5019	0.0645				0.0	0.0	5.11E-08
7	5		35	12431.72	2	3997.05	2.5019	0.0445	0+0 0+0	0.0	1.316-07	1.14E~06	3.79E-06	7.90E-06
	4		9	8392.08	2	3997.08	2.5016	0.0547	0.0	0.0	0.0 1.45E-08	1.36E-08	1 • 99E-07	1.11E-06
7	5		64	17436.43	2	3997.17	2.5018	0.0400	0.0	0.0	0.0	0.0	1.63E-06	4-76E-06
ε	6		17	13019.29	1	3997.99	2.5013	0.0482	0.0	0.0 "	0.0	3.93E-07	0.0 6.63E-06	4-39E-08
7	5		36	12557.12	ż	3998.05	2.5012	0.0400	0.0	0.0	0.0			4.07E-05
7	5		63	17217.54	2	3998.18	2.5011	0.0400	0.0	0.0	0.0	1.21E-08	1.83E-07 0.0	1.04E-06 5.11E-08
5	3		23	7380.84	ī	3998.31	2.5011	0.0423	0.0	3.77E-08	8.89E-06	1.21E~04	5.27E-04	
8	6		78	23429.83	ī	3998.93	2.5007	0.0400	0.0	0.0	0.0	0.0	0.0	1.31E-03 6.25E-08
7	5	-	37	12685.95	2	3998.99	2.5006	0.0400	0.0	0.0	0.0	1.07E-08	1.67E-07	9.71E-07
7	5		62	17001.87	2	3999.12	2.5005	0.0400	0.0	0.0	0.0	0.0	0.0	5.94E-08
2	ā		48	4487.89	1	3999.22	2.5005	0.0400	0.0	6.92E-06		6.90E-04	1.51E-03	
4	ž		32	6246.50	1	3955.66	2.5002	0.0400	0.0	4.50E-07	4.29E-05	3.69E-04	1.23E-03	2.36E-03 2.56E-03
7	5	39	38	12818.19	2	3999.85	2.5001	0.0400	0.0	0.0	0.0	0.0	1.52E-07	9.02E-07
6	4	11	10	8427.51	2	3999.89	2.5001	0.0545	0.0	•	1.51E-08	3.11E-07	1.74E-06	5.12E-06
7	5	62	61	16789.46	2	3999.99	2.5000	0.0400	0.0	0.0	0.0	0.0	0.0	6.87E-08
2	ō		35	2307.02	2	4000.18	2.4999	0.0400	8.34E-08	1.04E-05	4.25E-05	7.57E-05	9.77E-05	1.08E-04
6	4	11	12	6703.29	1	4000.20	2.4599	0.0542	0.0	0.0	9.00E-07	2.07E-05	1.24E-04	3.82E-04
4	2	15	16	4657.45	2	4000.25	2.4998	0.0505	0.0	1.16E-07	3.08E-06	1.41E-05	3.19E-05	5-13E-05
ε	6	19	16	13064.58	1	4000.27	2.4998	0.0470	0.0	0.0	0.0	3.85E-07	6.61E-06	4 - 1 0E-05
7	5	1	C	10452.15	1	4000.48	2.4997	0.0769	0.0	0.0	0.0	3.19E-07	2.91E-06	1.19E-05
3	1	25	26	3372.13	2	E6.0004	2.4996	0.0400	0.0	1.91E-06	1.83E-05	4.985-05	8.30E-05	1.095-04
7	5		39	12953.84	2	4000.65	2.4996	0.0400	0.0	0.0	0.0	0.0	1.38E-07	8.35E-07
5	3	3	4	6248.08	2	4000.74	2.4995	0.0676	0.0	0.0	1.09E-07	9.34E-07	3.10E-06	6.44E-06
7	5	61	60	16580.31	2	4000.78	2.4995	0.0406	0.0	0.0	0.0	0.0	0.0	7.94E-08
ę	6		77	23157.98	ī	4001.26	2.4992	0.0400	0.0	0.0	0.0	0.0	0.0	7.63E-08
7	5		4 C	13092.91	2	4001.37	2.4991	0.0400	0.0	0.0	0.0	0.0	1.24E-07	7.71E-07
7	5	60	59	16374.42	2	4001.5C	2.4991	0.040C	0.0	0.0	0.0	0.0	0.0	9.13E-06
3	1	39	40	5251.08	1	4001.71	2.4989	0.0400	0.0	2.92E-06	1.25E-04	7.26E-04	1.90E-03	3.37E-03
7	5	42	41	13235.37	2	4002.02	2.4987	0.0400	0.0	0.0	0.0	0.0	1.12E-07	7.09E-07
7	5	59	58	16171.80	2	4002.14	2.4987	0.040C	0.0	0.0	0.0		1.04E-08	1.05E-07
£	É		19	13153.48	1	4002.48	2.4965	0.0458	0.0	0.0	_0.0	3.75E-07		4.11E~05
									- • -	,	-25-	,	- 'All a . Fr A Arr	

٧١	٧L	JU	JŁ	LCWER State	CODE	WAVE	WAVE Length	HALF Wìdth	******	** INTEGRATE	ED ** ABSORF		FFICIENT *	******
				ENERGY		CN-1	MICHEN	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
													.	
7	5	43	42	13381.23	2	4002.60	2.4984	C.040C	0.0	0.0	0.0	0.0	1.00E-07	6.50E-07
6	4	12	11	8466.48	2	4002.65	2.4983	0.0542	0.0	0.0	1.56E-08	3.266-07	1 . 84 E-06	5.45E-06
7	5	58	57	15972.47	2	4002.72	2.4983	0.0400	0.0	0.0	0.0	0.0	1.23E-08	1.20E-07
7	5	44	43	13530.48		4003.11	2.4581	0.0400	0.0	0.0	0.0	0.0	8.935-08	5.94E-07
7	5	57	56	15776.43		4003.21	2.4980	0.0400	0.0	0.0	0.0	0.0	1.45E-08	
8	6	77	76	22889.33		4003.52	2.4978	0.0400	0.0	0.0	0.0	0.0	0.0	9.285-08
7	Ē	45	44	13683.11		4003.55	2.4978	0.0400	0.0	0.0	0.0	0.0	7.94E~08	5.41E-07
ė	3	21	22	7295.12		4003.55	2.4978	0.0435	0.0	4.45E-08	9.81E-06	1.28E-04	5.50E-04	1.356-03
7	5	56	55	15583.68		4003.64		0.0400	0.0	0.0	0.0	0.0	1.70E-08	1.57E-07
7	5	46	45	13839.13		4003.92	2.4976	0.040C	0.0	0.0	0.0	. 0.0	7.03E-08	4.91E-07
7	5	55	54	15394.23		4003.99	2.4975	0.0400	0.0	0.0	0.0	0.0	1.99E-08	1.78E-07
;	5	2	ī	10455.82		4004.01	2.4975	0.0738	0.0	0.0	1.38E-08	6.398-07	5.83E~06	2.38E-05
7	5	47	46	13998.51		4004.21	2.4974	0.0400	0.0	0.0	0.0	0.0	6.20E-08	4.45E-07
7	5	54	53	152CE.11		4004.27	2.4973	0.0400	0.0	0.0	0.0	0.0		
7	5	48	47	14161.26		4004.44	2.4972						2.32E-08	2.02E-07
7	5	53	52	15025.29		4004.48	2.4972	0.0400 0.0400	0.0	0.0	_0.0	0.0 0.0	5.45E-08	4.01E-07
5	3	2	3	6233.77		4004.51	2.4972	0.0707	0.0	0.0	8.37E-08	7.16E-07	2.70E-08	2.28E-07
7	5	45	48	14327.37		4004.59	2.4971	0.0400		0.0	0.0		2.37E-06	4-91E-06
7	5	52	51	14845.80		4004.62	2.4971	0.0400	0.0			0.0	4.77E-08	3.61E-07
ė	6	21	20	13225.99		4004.62	2.4971		0.0	0.0	.0.0	0.0	3.13E-08	2.57E-07
6	4	10	11	8658,86				0.0447	0.0	0.0	0.0	3.63E-07	6.44E-06	4.09E-05
. 7	5	5 C	49	14496.84		4004.66	2.4971	0.0545	0.0	0.0	_8.90E-07	2.01E-05	1.19E-04.	3.65E-04
7	5	51	50			4004.67	2.4971	0.0400	0.0	0.0	0.0	0.0	4.16E-08	3.236-07
, ,	2	14	15	14669.65		4004.68	2.4971	0.0400	0.0	0.0	0.0	0.0	3.62E-08	2.89E-07
6	4	13	12	4599.77 6508.98		4004.82 4005.33	2.4570	0.0517	0.0	1.25E-07	3.19E-06	1.42E-05	3.17E-05	5.07E-05
4	2	30	31				2.4967	0.0540	0.0	0.0	1.59E-C8	3.37E-07	1.93E-06	5.74E-06
9	€	76	75	6126.50		4005.53	2.4965	0.0400	0.0	5.83E-07	5 • 05E-05	4.15E-04	E0-34E-03	2.74E-03
3	1	24	25	22623.88 3277.80		4005.69	2.4964	0.0400	0.0	.0.0	0+0	0.0		1.13E-07
2	Ċ	33	34			4005.87	2.4963	0.0400	0.0	2.32E-06	2.05E-05	5.39E-05	8.78E-05	1.13E-04
2		46	47	2179.J2 4306.09		4006.00	2.4963	0.0400	1.50E-07	1.385-05	5.08E-05	8.60E-05	1.08E-04	1.17F-04
8	6	22	21	13302.10		4006.19	2.4961	0.0400	0.0	1.05E-05	2.13E-04	8.44E-04	1.76E-03	2.69E-03
7	5	3	2			4006.68	2.4958	0.0435	0.0	0.0	0.0	3.49E-07	6.31E-06	4.05E-05
έ	6	75	74	10463.16		4007.47	2.4953	0.0707	0.0	0.0	2.06E-08	9.56E-07	8.74E-06	3.576-05
6	4	14	13	22361.64		4007.79	2.4951	0.0400	0.0	0.0	0.0	0. 0		1.36E-07
3			39	8555.02		4007.95	2.4950	0.0528	0.0	0.0	1.60E-08	3.45E-07	1.99E-06	5.99E-06
5	1	38 1	39	5100.25 6223.04		4008-13	2.4949	0.0400	0.0	4.10E-06	1.56E-04	8.51E-04	2.15E-03	3.73E-03
9		23	22	13381.82		4008.22	2.4549	0.0738	0.0	0.0	5.70E-08	4.85E-07	1.60E-06	3.32E-06
5		20	21			4008.67	2.4946	0.0423	0.0	0.0	0.0	3.33E-07	6.14E-06	4.00E-05
6		9	10	7213.10 8618.14		4008.72	2.4946	0.0447	0.0	5.20E-08	1.07E-05	1.36E-04	5.71E-04	1.395-03
4	2	13	14	4545.69		4009.06	2.4943	0.0547	0.0	0.0	8 • 67E-07	1.93E-05	1 • 13E04	_3.44E-04
9		74	73	22102.62		4009.33	2.4942	0.0528	0.0	1.33E-07	3.26E-06	1.42E-05	3,14E-05	4.96E-05
6	4	15	14			4009.80	2.4939	0.0400	0.0	0.0	0.0	0.0	0.0	1-64E-07
				8604.60		4010.5C	2.4935	0.0517	0.0	0.0	1.59E-08	3.51E-07	2.05E-06	6.21E-06
e 7	6 5	24	23	13465.12		4010.59	2.4934	0.0412	0.0	0.0	0.0	3.16E-07	5.94E-06	3.92E-05
3	1	23	24	10474.17		4010.86	2.4932	0.0676	0.0	0.0	2.716-08	1.27E-06	1.16E-05	4.756-05
4				3167.07		4011.04	2.4931	0.0412	0.0	2.78E-06	2.29E-05	5.80E-05	9.25E-05	1.18E-04
	2	29	30	6010.21		4011.33	2.4529	0.0400	0.0	7.49E-07	5.91E-05	4.63E-04	1.46E-03	2.92E-03
e 2	6	73	72 33	21846.84		4011.73	2.4927	0.0400	0.0	0.0	0.0	0.0	0.0	1.97E-07
	0			2055.22		4011.76	2.4927	0.0400	2.65E-07	1.81E-05	6.04E-05	9.73E-05	1.18E-04	1.26E-04
5		C	1	6215-88		4011.87	2.4526	0.0769	0.0	0.0	2.90E-08	2.46E-07	8-11E-07	1.68E-06
9		25	24	13552.03		4012.43	2.4923	C+040C	0.0	0.0	0.0	2.98E-07	5.72E-06	3.835-05
6		16 93	1 S 92	£657.70		4012.98	2.4919	0.0505	0.0	0.0	1.57E-C8	3.53E-07	2.09E-06	6.38E-06
7 2		45	46	25701.90 4127.89		4012.98	2.4919	0.0400	0.0	0.0	0.0	0.0	0.0	9.75E-09
-	v	40	40	4151803		4013.10	2.4918	0.0400	0.0	1.0345200	2.78E-04	1.03E-03	5.06E-03	3*02E-03

٧u	٧L	UL	JL	LCWER State	CODE	NAVE	WAVE LENGTH	HALF WIDTH _	*****	** INTEGRAT		PTION ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	NS .	T = 300	T = 600'	C₩-2*	T = 1200	T = 1500	T = 1800
						+		.,.		. – 000	, – 500	1 - 1200	1300	
6	4	e	g	2581.11		4013.39	2.4917	0.0550	0.0	0.0	8.326-07	1.82E-05	1.06E-04	3.21E-04
8	6	72	71	21594.31		4013.58	2.4915	0.0400	0.0	0.0	0.0	0.0	0.0	2.37E-07
4	2	12	13	4495.20		4013.78	2.4914	0.0540	0.0	1.41E-07	3.30E,-06	1.41E-05	3.07E-05	4.82E-05
5	3	19	20	7134.78		4013.83	2.4914	0.0458	0.0	6.00E-08	1.16E-05	1.43E-04	5.89E-04	1.41E-03
7	5	5	4	10488.85		4014.18	2.4912	0.0645	0.0	0.0	3.33E-08	1.56E-06	1 • 44E05	5.90E-05
8	6	26	25	13642.53		4014.20	2.4912	0.0400	0.0	0.0	0.0	2.80E-07	5-49E-06	3.72E-05
3	1	37	38	4953.12		4014.49	2.4910	C.0400	0.0	5.71E-06	1. 93E-04	9.94E-04	2-42E-03	4.10E-03
е	6	71	70	21345.04	1	4015.35	2.4904	0.0400	0.0	0.0	0.0	0.0	1.22E-08	2.83E-07
6	4	17	16	8714.33		4015.40	2.4504	C.0493	0.0	0.0	1.53E08	3.52E-07	2.11E-06	6.52E-06
9	6	27	26	13736.61	1	4015.90	2.4901	0.0400	0.0	0.0	0.0	2.61E-07	5.23E-06	3.60E-05
3	1	22	23	3099.94		4016.15	2.4899	0.0423	0.0	3.30E-06	2.54E-05	6.20E~05	9.69E-05	1.22E-04
7	5	92	91	25363.46	1,	4016.44	2.4898	0.0400	0.0	0.0	0.0	0.0	0.0	1.235-08
8	6	7 C	69	21099.03	1	4017.04	2.4854	0.0400	0.0	0.0	0.0	0.0	1.51E-08	3.38E-07
4	2	26	29	5897.62	1	4017.07	2.4894	0.0400	0.0	9.53E-07	6.87E-05	5.15E-04	1.58E-03	3.10E-03
7	5	6	5	10507.20	1	4017.42	2.4892	0.0621	0.0	0.0	3.90E-08	1.85E-C6	1.71E-05	7.02E-05
2	0	31	32	1934.72	2	4017.46	2.4891	0.0400	4.60E-07	2.35E-C5	7.13E-05	1.09E-04	1.29E~04	1.35E-04
8	6	28	27	13834.28	1	4017.52	2.4891	0.0400	0.0	0.0	0.0	2.42E-07	4.96E-06	3.47E-05
6	4	7		8547.78	i	4017.65	2.4890	0.0574	0.0	0.0	7.84E-07	1.69E-05	9.79E-05	2.94E-04
6	4	16	17	8774.49	2	4017.75	2.4890	0.0482	0.0	0.0	1.48E-08	3.49E-07	2.12E-06	6.61E-06
4	2	11	12	4448.31	2	4018.17	2.4887	0.0542	0.0	1.46E-07	3.30E-06	1.386-05	2.98E-05	4.64E-05
8	6	69	68	20856.30	1	4018.65	2 • 4 6 8 4	0.0400	0.0	0.0	0.0	0.0	1.87E-08	4.01E-07
5	3	18	19	7060.17	1	4018.87	2.4883	0.0470	0.0	6.86E-08	1.25E-05	1.49E-04	6.04E-04	1.43E-03
5	3	1	C	6212.30	2	4018.96	2.4882	0.0769	0.0	0.0	2.94E-08	2.50E-07	8.22E-07	1.7CE-06
8	6	29	28	13935.53	i	4019.07	2.4881	0.0400	0.0	0.0	0.0	2.23E-07	4.69E-06	3.33E-05
7	5	91	90	25068.06	1	4019.81	2.4877	0.0400	0.0	0.0	0.0	0.0	0.0	1.56E-08
2	0	44	45	3953.41	1	4019.94	2.4876	0.0400	0.0	2.37E-08	3.61E-04	1.24E-03	2.39E-03	3.44E-03
€	4	15	18	8838.17	2	4020.03	2.4875	0.0470	0.0	0.0	1.42E-08	3.43E-07	2.12E-06	6.67E-06
8	6	68	67	20616.86	1	4020.18	2.4875	0.0460	0.0	0.0	0.0	0.0	2.30E-08	4.76E-07
e	6	30	29	14040.35	1	4020.55	2.4872	0.0400	0.0	0.0	0.0	2.04E-07	4 • 41 E-06	3.195-05
7	5	7	6	10529.21	1	4020.60	2.4872	0.0597	0.0	0.0	4 • 42E-08	2-11E-06	1.96E-05	8.09E-05
3	1	36	37	4809.68	1	4020.79	2.4871	0.0400	0.0	7.87E-06	2.38E-04	1.15E-03	2.72E-03	4.50E-03
3	1	21	22	3016.41	2	4021.20	2.4868	0.0435	0.0	3.88E-06	2.79F-05	6.59E-05	1.01E-04	1.25E-04
8	6	67	66	20380.71	1	4021.63	2.4866	0.0400	0.0	0 • C	0.0	0.0	2.82E-08	5.62E-07
6	4	6	7	8518.15	1	4021.84	2.4864	0.0597	0.0	0.0	7.22E-07	1.54E-05	8.85E-05	2.65E-04
e	6	31	30	14148.75	1	4021.95	2.4864	0.0400	0.0	0.0	0.0	1.87E-07	4.13E-06	3.04E-05
6	4	20	19	8505.38	2	4022.24	2.4862	0.0458	0.0	0.0	1.35E-08	3.35E-07	2.10E-06	6.69E-06
5	3	2	1	6215.88	2	4022.40	2 4 4 8 6 1	0.0738	0.0	0.0	5.89E-08	5.00E-07	1.65E~06	3.41E-06
4	2	10	11	4405.02	2	4022.49	2.4860	0.0545	0.0	1.49E-07	3.25E-06	1.34E-05	2.86E-05	4.43E-05
4	2	27	2.5	5768.74	1	4022.75	2.4859	0.0400	0.0	1.20E-06	7.94E-05	5.70E-04	1.70E-03	3.29E-03
8	ć	€6	65	20147.87	1	4023.01	2.4857	0.0400	0.0	0.0	0.0	0.0	3.456-08	6.63E-07
2	C	30	31	1817.82	2	4023.09	2.4857	C+0400	7.83E-07	3.03E-05	8.36E-05	1.22F-04	1.41E-04	,1.44E-04
7	5	90	89	24755.73	1	4023.10	2.4856	0.0400	0.0	0.0	0.0	0.0	0.0	1.96E-08
8	6	32	31	14260.70	1	4023.27	2.4855	0.0400	0.0	0.0	o•o	1.70E-07	3-86E~06	2.89E-05
6	4	61	80	19482.71	2	4023.45	2.4854	0.0400	0.0	0.0	0.0	0.0	0.0	8.41E-09
7	5	ε	7	10554.90	1	4023.71	2.4853	0.0574	0.0	0.0	4.88E-C8	2.35E-06	2.20E-05	9.11E-05
5	3	17	18	6969.28	1	4023.85	2.4852	0.0482	0.0	7.74E-08	1.336-05	1.55E-04	6.16E-04	1.44E-03
8	6	65	64	19918.36	1	4024.30	2.4849	0.0400	0.0	0.0	0.0	0.0	4.21E-08	7.79E-07
e	4	21	20	E976.10	2	4024.38	2.4849	0.0447	0.0	0.0	1.27E-08	3.25E-07	2.CEE-06	6.67E-06
ε	6	33	32	14376.23	1	4024.52	2.4848	0.0400	0.0	0.0	0.0	1.53E-07	3.58E-06	2.74E-05
8	6	64	63	19692.16	1	4025.51	2.4842	0.0400	0.0	0.0	0.0	0.0	5-11E-08	9.12E~07
€	4	23	79	19210.62	2	4025.64	2.4841	0.0400	0.0	0.0	0.0	0.0	0.0	1.03E-08
e	6	34	33	14495.30	1	4025.7C	2.484C	0.0400	0.0	0.0	0.0	1.38E-07	3.32E-06	2.586-05
5	3	3	2	6223.04	2	4025.78	2.4840	0.0707	0.0	0.0	8.79E-08	7.49E-07	2.47E-06	5.12E-06

VU	VL	Ju	J٤	LOWER STATE	CODE	MAVE WAVE	WAVE LENGTH	HAÎF WIDTH	******	* ÎNTEGRATE	D ** ABSORP		FFICIENT **	******
•				ENERGY		CM-1	MICRON	N2 .	T = 300	T = 600	T = 900	T = 1200	`T = 1500 T	T = 1800
												 	·····	
6	4	5	6	8492.22	1	4025.96	2.4839	0.0621	0.0	0.0	6.48E-07	1.37E-05	7.82E-05	2.33E-04
3	1	20	21	2936.50	2	4026.19	2.4837	0.0447	0.0	4.51E-06	3.04E-05	6.96E-05	1.05E-04	1.28E-04
7	5	89	88	24446.47	1	4026.3C	2.4837	0.0400	0.0	0-0	0.0	0.0	0.0	2.47E-08
6	4	22	21	9050.34	2	4026.46	2.4836	0.0435	0.0	0.0	1.19E-08"	3.13E-07	2.04E-06	6.62E-06
8	6	63	62	19469.31	1	4026.64	2.4835	0.0400	0.0	0.0	0.0	0.0	6.19E-08	1.07E-06
2	C	EΡ	44	3782.62	1	4026.72	2.4634	0.0400	0.0	3.50E-05	4.66E-04	1.505-03	2.76E-03	3.88E-03
7	5	S	8	10564.25	1	4026.74	2.4834	0.0550	0.0	0.0	5.27E-08	2.578-06	2.42E-05	1.01E-04
4	2	9	10	4365.34	2	4026.75	2.4834	0.0547	0.0	1.50E-07	3.17E-06	1.28E-05	2.72E-05	4.18E-05
8	6	35	34	14617.93	1	4026.80	2.4834	0.0400	0.0	0.0	0.0	1.235-07	3.05E-06	2.42E-05
3	1	35	36	4669.95	1	4027.02	2.4832	0.0400	0.0	1.07E-05	2.90E-04	1.32E-03	3.04E-03	4.91E-03
ε	6	62	61	19249.80	1	4027.70	2.4828	0.0400	0.0	0.0	0.0	0.0	7.46E-08	1.24E-06
6	4	79	78	18941.66	2	4027.74	2.4828	0.0400	0.0	0.0	0.0	0.0	0.0	1.25E-08
3	6	36	35	14744.11	ī	4027.83	2.4827	0.0400	0.0	0.0	0.0	1.10E-07	2.80E-06	2.27E-05
4	2	26	27	5663.57	1	4028.36	2.4824	0.0400	0.0	1.50E-06	9.11E-05	6.27E-04	1.82E-03	3.47E-03
E	4	23	22	\$128,16	2	4028.47	2.4823	0.0423	0.0	0.0	1.10E-08	3.00E-07	1.99E-06	6.54E-06
2	G	25	30	1704.53	2	4028.67	2.4822	0.0400	1.31E-06	3.86E-05	9.73E-05	1.36E-04	1.52E-04	1.53E-04
e	6	61	60	19033.64	1	4028.67	2.4822	0.0400	0.0	0.0	0.0	0.0	8-97E-08	1.44E-06
5	3	16	17	6922.10	1	4028.76	2.4822	0.0493	0.0	8.63E-08	1.41E-05	1.59E-04	6.23E-04	1.44E-03
ē	6	37	36	14873.83	1	4028.78	2.4821	0.0400	0.0	0.0	0.0	9.71E-08	2.56E-06	2.11E-05
5	3	4	3	6233.77	ž	4029.10	2.4819	0.0676	0.0	0.0	1.16E-07	9.91E-07	3.28E-06	6.81E-06
7	5	88	87	24140.31	ī	4029.43	2.4817	0.0460	0.0	0.0	0.0	0.0	0.0	3.11E-08
8	6	60	59	18820.86	ī	4029.57	2.4817	0.0400	0.0	0.0	0.0	0.0	1.07E-07	1.67E-06
ā	6	36	37	15007.09	ī	4029.65	2.4816	0.0400	0.0	0.0	0.0	8.56E~08	2.33E-06	1.96E-05
7	5	10	ç	10617.26	ī	4029.71	2.4816	0.0547	0.0	0.0	5.58E-08	2.76E-06	2.62E-05	1.10E-04
·	4	78	77	18675.82	2	4029.77	2.4815	0.0400	0.0	0.0	0.0	0.0	0.0	1.525-08
6	4	4		£470.00	1	4030.01	2.4814	0.0645	0.0	0.0	5.62E-07	1.18E-05	6.68E-05	1.98E-04
ě	έ	59	58	18611.44		4030.39	2.4811	0.0400	0.0	0.0	0.0	0.0	1.28E-07	1.93E-06
6	4	24	23	9209.37	2	4030.40	2.4811	0.0412	0.0	70.0	1.01E-08	2.85E-07	1.936-06	6.43E-06
E	é	39	38	15143.88	1	4030.45	2.4811	0.040C	0.0	0.0	0.0	7.50E-08	2.11E-06	1.82E-05
4	5	8	9	4329.25	2	4030.94	2.4808	0.0550	0.0	1.48E-07	3.03E-06	1.21E-05	2.54E-05	3-89E-05
3	1	19	20	2660-19	2	4031.11	2.4807	0.0458	1.10E-08	5.18E-06	3.03E-05	7.31E-05		1.30E-04
ε	Ē	ΞĒ	57	18405-41	ī	4031.13	2.4507	0.0400	0.0	0.0	0.0	0.0	1.53E-07	2.225-06
ē	ě	40	39	15284.19	ī	4031.18	2.4607	0.0400	0.0	_,0•0	0.0	6.54E-08	1.90E-06	1.68E-05
ě	4	77	76	18413.12	ž	4031.73	2.4803	0.0400	0.0	70.0	0.0	0.0	0.0	1.83E-08
8	6	57	56	18202.77	ī	4031.79	2.4803	0.0400	0.0	0.0	0.0	0.0	1.82E-07	2.56E-06
ē	6	41	4 C	15428.02	ì	4031.83	2.4863	0.0400	0.0	0.0	0.0	5.68E-08	1.718-06	1.54E-05
6	4	25	24	5294.14	ž	4032.27	2.4800	0.0400	0.0	0.0	0.0	2.70E-07	1.86E-06	6-29E-06
5	3		4	6248.08	2	4032.35	2.4799	0.0645	0.0	0.0	1.42E-07	1.23E-06	4.07E-06	
Ĕ	ē	56	55	18003.52	1	4032.33	2.4799	0.0400	0.0	0.0				8.46E-06
8	ě	42	41	15575.37	1	4032.40	2.4799	0.0400	0.0	0.0	0.0	.0.0 4.90E-08	2.15E-07 1.53E-06	2.93E-06
7	5	87	86	23837.25	1	4032.47	2.4799	0.0400						1.41E-05
7	5	11	10	10653.94	1	4032.60	2.4798		0.0	0.0	0.0	0.0	0.0	3.89E-08
ģ	6	55	54	17807.68	1			0.0545	0.0	0.0	5.82E-08	2.92E-06	2.80E-05	1.18E-04
8	6	43	42	15726.23		4032.87	2+4796	0.0400	0.0	0.0	0.0	0.0	2.53E-07	3.35E-06
	1	24	35	_	1	4032.90	2.4796	0.0400	0.0	0.0	0.0	4-226-08	1.36E-06	1.29E-05
3 £	ę	54 54	.30 53	4533.94 17615.26	1	4033.19	2.4754	. 0.0400 .	0.0	1.456-05	3.52E-04	1.53E-03	3.38E-03	5.35E~03
8	6	44	93 43		1	4033.30	2.4754	0.0400	0.0	0.0	0.0	0.0	2.98E-07	3.81E-06
5	0	44	43	15850.58	1	4033.32	2.4793	0.0400	0.0	0.0	0.0	3.61E-08	1.21E-06	1.17E-05
5	3	15	16	3615.54 6858.63	1 1	E4.EE04	2.4793	0.0400	1.78F-08	5.13E-05	5.97E-04	1.80E-03	3.18E-03	4.35E-03
6	4	7 <i>E</i>	75			4033.59	2.4792	0.0505	0.0	9.50E-08	1.48E-05	1.63E-04	6+27E-04	1.44E-03
ę	€	53	75 52	18153.57	2	4033.60	2.4792	0.0400	0.0	0.0	0.0	0.0	0.0	2.21E-08
8	6	45	44	16038.43	1	4033.65	2.4751	0.0400	0.0	0.0	0.0	0.0	3.48E-07	4.33E-06
4	2	25	26	5582.12	_	4033.66	2.4791	0.0400	0.0	0.0	0.0	3.07E-08	1.07E-06	1.06E-05
**	2	6 2	ac	2262.12	•	4033.90	2.47,90	0.0400	0.0	1.856-06	1.04E-04	6.85E-04	1.95E-03	3.64E~03

							•	······································						
VU	'VL	Jù	ĴJĽ	LOWER	CODE	WAVE	WAVE	HALF	*****	** INTEGRATI	en 44 kacne	OTION 44 CO	CCC. ****** *	
		_	,	STATE		NUMBER		HIDIW	4.4.4.4.4.4.4	** 111166641			EFFICIENT #	*****
		* **		ENERGY		CM-1	MICHON	N2	T = 300	T = 600	C#-2*		_`	
						CH-1	MICHGIN	NZ	1 = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
8	6	52	51	17240.70	1	4033.92	2.4790	0.0400						
ě	ě	46	45	16199.77	i	4033.92			0.0	0.0	0.0	0.0	4.06E-07	4.90E-06
6	4	3	4	8451.48			2.479C	G-0460	0.0	0.0	0.0	2.60E-08	9.42E-07	9.62E-06
6	4	26	25	5382.42		4034.0C	2.4789	0.0676	0.0	0.0	4.65E-C7	9.68E-C6	5.47E-05	1.625-04
8	6	51	50	17058.57		4034.08	2.4789	0.0400	0.0	0+0	0.0	2.545-07	1.79E-06	6.13E-06
8	ě	47	46		1	4034.12	2.4789	0.0400	0.0	0.0	0.0	1.06E-08	4.72E-07	5•53F-06
_	_			16364.60	1	4034.12	2.4789	0.0400	0.0	0.0	0.0	2.19E-08	8.276-07	8.67E-06
2 8	0	28	29	1594.85	2	4034.19	2.4788	C.0400	2.15E-06	4.88E-05	1 • 1 3E-04	1.51F-04	1.64E-04	1.62E-04
_	6	50	49	16879.89	1	4034.23	2.4788	0.0400	0.0	0.0	0.0	1.28E-08	5.46E-07	6.22E-06
٤	6	48	47	16532.89	1	4034.23	2.4788	0.0400	0.0	0.0	0.0	1.84E-08	7.22E-07	7.78E-06
8	6	49	48	16704.66	1	4034.27	2.4788	0.0400	0.0	0.0	0.0	1.54E-08	6.29E-07	6.97E-06
4	2	7	8	4296.77	2	4035.07	2.4783	0.0574	0.0	1.43E-07	2.85E-06	1.13E-05	2.34E-05	3.56E-05
6	4	75	74	17857.18	2	4035.41	2.4781	0.0400	0.0	0.0	0.0	0.0	0.0	2.66E-08
7	5	12	11	10694.28	1	4035.42	2.4781	0.0542	0.0	0.0	5.99E-08	3.05E-06	2.955-05	1.25E-04
7	5	86	85	23537.30	1	4035.43	2.4781	0.0400	0.0	0.0	0.0	0.0	0.0	4.86E-08
£	3	6	5	6265.97	2	4035153	2.4780	0.0621	0.0	0.0	1.67E-07	1.45E-06	4.83E-06	1.01E-05
€	4	27	2€	5474.20	2	4035.81	2.4778	0.0400	0.0	0.0	0.0	2.37E-07	1.715-06	5.95E-06
3	1	18	19	2787.51	2	4035.97	2.4777	0.0470	1.49E-08	5.89E-06	3.536-05	7.61E-05	1-10E-04	1.326-04
6	4	74	73	17643.96	2	4037.14	2.4770	0.0400	0.0	0.0	0.0	0.0	0.0	3.20E-08
£	4	28	27	9569.48	2	4037.47	2.4768	0.0400	0.0	0.0	0.0	2.21E-07	1.62E-06	5.74E-06
6	4	2	3	£436.66	1	4037.91	2.4765	0.0707	0.0	0.0	3.59E-07	7.43E-06	4.18E-05	1.23E-04
7	5	13	12	10738.28	1	4038.17	2.4764	0.054C	0.0	0.0	6.08E-08	3-16E-06	3.08E-05	1.32E-04
7	5	85	84	23240.48	1	4038.30	2.4763	0.0400	0.0	0.0	0.0	0.0	0.0	6.06E-08
5	3	14	15	6798/89	1	4038.37	2.4762	0.0517	0.0	1.03E-07	1.538-05	1.65E-04	6.25E-04	1.42E-03
5	3	7	6	6287.43	2	4038.65	2.4761	0.0597	0.0	0.0	1.90E-07	1 - 6 6E-06	5.56E-06	1.16E-05
6	4	73	72	17393.93	2	4038.79	2.4760	0.0400	0.0	0.0	0.0	0.0	0.0	3.83E-08
6	4	25	26	9668.25	2	4039.07	2.4758	0.0400	0.0	0.0	0.0	2.04E-07	1.54E-06	5.52E-06
4	2	E	7	4267.90	2	4039.13	2.4758	0.0597	0.0	1.34E-07	2.63E-06	1.02E-05	2.12E-05	3.21E-05
3	1	33	34	4401.64	1	4039.29	2.4757	0.0400	0.0	1.955-05	4.24E-04	1.756-03	3.74E-03	5.80E-03
4	2	24	25	5484.40	1	4039.38	2.4756	0.0400	0.0	2.26E-06	1.17E-04	7.45E-04	2.07E-03	3.81E-03
2	0	27	28	1488.80	2	4039.64	2.4755	0.0400	3.48E-06	6.11E-05	1.30E-04	1.67E-04	1 • 77E-04	1.72F-04
2	0	41	42	3452.15	1	4040.09	2.4752	0.0400	3.82F-08	7.44E-05	7.60E-04	2 • 1 4E - 03	3.65E-03	
€	4	72	71	17147.08	2	4040.37	2.4750	0.0400	0.0	0.0	0.0	0.0	0.0	4.86E-03
6	4	30	29	5770.52	2	4040.59	2.4749	0.0400	0.0	0.0	0.0	1.88E-07	1.45E-06	4.57E-08
3	1	17	18	2718.44	2	4040.77	2.4748	0.0482	1.97E-08	6.62E-06	3.756-05	7.88E-05	1.125-04	5.29E-06
7	5	14	13	10785.94	1	4040.85	2.4747	0.0528	0.0	0.0	5.10E-08	3.23E-06	3.19E-05	1.33E-04
7	5	64	83	22946.81	1	4041.09	2.4746	0.0400	0.0	0.0	0.0	0.0		1.37E-04
5	3	£,	7	6312.47	2	4041.70	2.4742	0.0574	0.0	0.C	2.096-07	1.856-06	0.0 6.24E-06	7.53E-08
ε	4	1	2	E425.54	1	4041.76	2.4742	0.0736	0.0	0.0	2.45E-07	5. C4E-06		1.31E-05
6	4	71	70	16903.43	ž	4041.87	2.4741	0.0400	0.0	0.0	0.0		2.83E~05	8.34E-05
6	4	31	30	9876.27	2	4042.05	2.4740	0.0400	0.0	0.0	0.0	0.0	0.0	5.44E-08
5	3	13	14	6742.87	1	4043.07	2.4734	0.0528	0.0	1.11E-07		1.72E-07	1.36E-06	5.06E-06
4	2	5	6	4242.63	2	4043.13	2.4733	0.0621	0.0	1.235-07	1.57E~05	1.65E-04	6-19E-04	1.39E-03
6	4	70	69	16662.99	2	4043.30	2.4732	0.0400	0.0		2.365-06	9.10E-06	1 -87E-05	2.82E-05
€	4	32	31	5585.5G	2	4043.44	2.4731	0.0400	0.0	0.0	0.0	0.0	0.0	6.45E-08
7	5	15	14	10837.26	ī	4043.46	2.4731	0.0517	0.0	0.0	0.0	1.57E-07	1.286-06	4.82E-06
7	5	e 2	82	22656.29	ī	4043.81	2.4729	0.0317	0.0	0.0	6.06E-08	3.27E-06	3.27E-05	1.42E-04
6	4	69	68	16425.77	ż	4044.65	2.4724	0.0400		0.0	0.0	0.0	0.0	9.33E-08
5	3	ŝ	8	6341.08	2	4044.65	2.4724	0.0550	0.0	0.0	0.0	0.0	0.0	7.64E-08
ě	4	33	32	10098.21	2	4044.75	2.4723	0.0400	0.0	0.0	2.26E-07	2.02E-06	6.87E~06	1.45E-05
4	2	23	24	5390.41	ī	4044.79	2.4723	0.0412	0.0	0.0	0.0	1.42E-07	1.19E-06	4.57E-06
2	ō	26	27	1386.36	ż	4045.03	2.4723	0.0412	0.0 5.51E-06	2.74E-06	1.31E-04	8.05E-04	2.18E-03	3.96E-03
3	ī	32	33	4273.06	1	4045.33	2.4720	0.0400		7.586-05	1.48E-04	1 • 83E04	1 • 89E-04.	1.81E-04
3	ī	1€	17	2652.99	2	4045.51	2.4719	0.0499	0.0 2.57F-08	2.58E-05	5.08E-04	1.99E-03	4.12E-03	6.26F-03
_	_				-		~ 4 T I A 7	V4V433	20216-69	7.35E-06	3.95E-05	8.096-05	t • 13E-04	1.33E-04

VU	VL,	JU	JĻ	LCWER STATE	CODE	WAVE WAVE	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ÅBSOR CM-2*	PTION ** CO	FFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
														- ·
6	4	С	1	8418.13	1	4045.53	2.4719	0.0769	0.0	0.0	1.24E-07	2,55E-06	1.43E-05	4.21E-05
6	4	68	67	16191.77	2	4045.93	2.4716	0.0400	0.0	0.0	0.0	0.0	0.0	9.01E-08
7	5	16	15	10892.23	1	4045.99	2.4716	0.0505	0.0	0.0	5.95E-08	3.28E-06	3.33E-05	1.46E-04
ė	4	34	33	10214.39	2	4046.00	2.4716	0.0400	0.0	0.0	0.0	1.28E-07	1.10E-06	4-32E-06
7	5	82	81	22368.93	1	4046.44	2.4713	0.0400	0.0	0.0	0.0	0.0	0.0	1.15E-07
2	¢	40	41	3292.48	1	4046.68	2.4712	0.0400	8.05F-08	1.07E-04	9.61E-04	2.55E-03	4.17E-03	5.41E-03
4	2	4	5	4220.97	2	4047.07	2.4709	0.0645	0.0	1.08E-07	2.04E-06	7.82E-06	1.60E-05	2.40E-05
6	4	67	66	15961.02	2	4047.13	2.4709	0.0400	0.0	0.0	0.0	0.0	1.08E-08	1.06E-07
€	4	35	34	10334.05	2	4G47.18	2.4709	0.0400	0.0	0.0	0.0	1.15E-07	1.02E-06	4.07E-06
Ę	3	10	9	6373.27	2	4047.6C	2.4706	0.0547	0.0	0.0	2.40E-07	2.17E-06	7.44E-06	1.58E-05
5	3	12	13	6690.57	1	4047.71	2.4705	0.0540	0.0	1.17E~07	1.59E-05	1.64E-04	6.07E-04	1.36E-03
€	4	66	65	15733.51	2	4048.26	2.4702	0.0400	0.0	0.0	0.0	0.0	1.31E-08	1.24E-07
6	4	36	35	10457.16	2	4048.28	2.4702	0.0400	0.0	0.0	0.0	1.03E-07	9.38E-07	3.82E-06
7	5	17	16	10950.85	1	4048.45	2.47Cl	0.0493	0.0	0.0	5.79E-CE	3.27E-06	3.36E-05	1.46E-04
7	5	€ 1	8 C	22084.76	1	4048.98	2.4698	0.0400	0.0	0.0	0.0	0.0	0.0	1.42E-07
e	4	65	64	15505.25	2	4049.32	2.4696	0.040C	0.0	0.0	0.0	0.0	1.59E-08	1.46E-07
€	4	37	36	10563.74	2	4049.32	2.4656	0.0400	0.0	0.0	0.0	9.15E-08	8.60E-07	
€	4	58 22	97	25467.79		4050.12	2.4691	0.0406	0.0	0.0	0.0	0.0	0.0	9.16E-09
4 3	2	15	23 16	5300.14	1	4050.13	2.4691	0.0423	0.0	3.276-0€	1.46E-04	8.64E-04	2.29E-03	4.10E-03
6	4	38	37	2591.16 10713.77	2	4050.18 4050.29	2.4690 2.4690	0.0505 0.0400	3.26E-08 0.0	8.06E-06	4.136-05	8.24E-05	1.14E-04	1.32E-04
6	4	64	57 E6	15288.27		4050.3C	2.4690	0.0400	0.0	0.0	0.0	8•09E-08_	7.84E-07.	3.33E-0,6 1.70E-07
2	ā	25	26	1287.55	_	4050.36	2.4689	0.0400	8.58E-06	9.306-05	1.68E-04	1.99E-04	2.01E-04	1.89E-04
5	3	11	10	6409.02		4050.45	2.4689	0.0545	0.0	0.0	2.51E-07	2.30E-06	7.96E-06	1.70E-05
7	5	18	17	11013.12		4050.84	2.4686	0.0482	0.0	0.0	5.585-08	3.23E-06	3.37E-05	1.50E-04
4	2	3	4	4202.92		4050.94	2.4686	0.0676	0.0	9.106-08	1.69E-06	6.42E-06	1.31E-05	1.96E-05
6	4	39	38	10847.26		4051.18	2.4684	0.0400	0.0	0.0	0.0	7.12E~08	7.13E-07	3.09E-06
6	4	63	62	15070.55		4051.21	2.4684	0.0400	0.0	0.0	0.0	0.0	2.32E-08	1.97E-07
3	1	31	32	4148.21	1	4051.3C	2.4683	0.0400	0.0	3.396-05	6.03E-04	2.256-03	4.52F~03	6.73E-03
7	5	03	79	21803.77	1	4051.45	2.4683	0.0406	0.0	0.0	0.0	0.0	0.0	1.75E-07
6	4	4 C	39	10984.19	2	4052.01	2.4679	0.0400	0.0	0.0	0.0	6.24E-08	6.45E-07	2.86E-06
E	4	62	€ 1	14856.11	2	4052.04	2.4679	0.0400	0.0	0.0	0.0	0.0	2.78E-0Ê	2.29E-07
5	3	11	12	6642.00	1	4052.28	2.4677	0.0542	0.0	1.22F-07	1.60F-05	1.61E-04	5.90E-04	1.31E-03
6	4	41	40	11124.55	2	4052.76	2.4675	0.0400	0.0	0.0	0.0	5.44E-08	5.82E-07	2.64E-06
6	4	61	60	14644.96		4052.8¢	2.4674	0.0400	0.0	0.0	0.0	0.0	3.33E-08	2.65E-07
6	4	1	0	E414.43		4052.87	2.4674	0.0769	0.0	0.0	1.26E-07	2.59E-06	1.45E-05	4.27E-05
7	5	15	18	11079.05		4053.16	2.4672	0.0470	0.0	0.0	5•33E-08	3.17E-06	3.36E-05	1.51E-04
2	O	39	40	3136.53	1	4053.20	2.4672	0.0400	1.67E-07	1.52E-04	1.21E-03	3.01E-03	4.75E-03	6.01E-03
5	3	12	11	6448.35		4053.24	2.4672	0.0542	0.0	0.0	2•E9E-07	2.41E-06		1.80E-05
6	4	42	41	11268.36		4053.45	2.4670	0.0400	0.0	0.0	0.0	4.72E-08	5.23E-07	2.42E-06
6	4 5	60	59	14437.11		4053.49	2.467C	0.0400	0.0	0.0	0.0	0.0	3.97E-08	3.05E-07
7 €	⇒	79 97	78 96	21525.99 25130.91		4053.83 4053.96	2.4668 2.4667	0.0400	0.0	0.0	0.0	0 + 0 0 + 0	0.0	2-14E-07
6	4	43	42	11415.59					0.0	0.0	0.0		0.0	1-10E-08
6	4	59	58	14232.57		4054.06 4054.11	2.4667 2.4666	0.0400	0.0	0.0	0.0	4.07E-08	4.67E-07 4.72E-08	2.22E-06
6	4	44	43	11566.25		4054.6C	2.4663	0.0400	0.0	0.0	0.0	3.50E-08	4.17E-07	3.52E-07 2.03E-06
6	4	58	57	14031.34		4054.65	2.4663	0.0400	0.0	0.0	0.0	0.0	5.60E-08	4.04E-07
4	2	2	3	4188.48	2	4054.75	2.4662	0.0707	0.0	7.10E-08	1.30E-06	4.925-06	9.98E-06	1.49E-05
3	1	14	15	2532.96		4054.79	2.4662	0.0517	4.07E-08	8.74E-06	4.27E-05	8.33E-05	1.14E-04	1.30E-04
ě	4	45	44	11720.32		4055.07	2.4660	0.0400	0.0	0.0	0.0	2.99E-08	3.70E-07	1.84E-06
6	4	57	56	13833.44		4055.11	2.4660	0.0400	0.0	0.0	0.0	0.0	6.61E-08	4.62E-07
7	5	20	19	11148.61	1	4055.4C	2.4658	0.0458	0 • C	0.0	5.04E-08	3.08E-06	3.33E-05	1.52E-04
4	2	21	22	5213.61	1	4055 + 41	2.4658	0.0435	0 • C	3.87E-06	1.62E-04	9.22E-04	2.39E-03	4.23E-03
														•

VU	٧L	JĻ	JL	LOWER State	CODE	#VVE #384U4	WAVE LENGTH	HALF WICTH	*****	** INTEGRAT	ED ** ABSOF CM-2*		EFFICIENT *	*****
				ENERGY		CM-1	MICECN	ИЗ	T = 300	T = 600	T ≓ 900	T = 1200	T = 1500	T = 1800
€	4	46	45	11877.80	2	4055.47	2.4658	0.0400	0.0	0.0	0.0	2.55E-08	3.27F-07	1.67E-06
6	4	56	55	13638.86	2	4055.51	2.4658	C-0400	0.0	0.0	0.0	0.0	7.79E-08	5.28E-07
2	C	24	25	1192.36	2	4055.63	2.4657	0.0400	1.31E-05	1.13F-04	1 • 89E-04	2.16F-04	2.13E-04	1.98E-04
6	4	47	46	12036.09	2	4055.8C	2.4656	0.0400	0.0	0.0	0.0	2 - 16E-08	2.886-07	1.51F-06
€	4	5 5	54	13447.62	2	4055.83	2.4656	0.0400	0 • 0	0.0	0.0	0 • C	9.145-08	6.00E-07
5	3	13	12	6491.25	2	4055.96	2.4655	0.0540	0.0	0.0	2.63E-07	2.50F-06	P•79F-06	1.90E-05
6	4	48	47	12202.98	2	4056.06	2.4654	0.0400	0.0	0.0	0.0	1.826-08	2.53E-07	1.36E-06
6	4 5	5.4	53	13259.72	2	4056.08	2.4654	0.0400	0.0	0.0	0 • 0	0.0	1.07E-07	6.81E-07
7 6	-	7 E	77	21251.42	1	4056.14	2.4654	0.0460	0.0	0.0	0.0	0.0	1.146-08	2.62F-07
-	4	4 S 5 3	48	1237C.66	2	14056+24	2.4653	0.0400	0.0	0.0	0.0	1.53F-08	2.21E-07	1.22E-06
€	4	50	52 49	12075.10	2	4056.26	2.4653	C.0400	0.0	0.0	0.0	0.0	1.24E-07	7.70E-07
6	4	52	51	12857.99	2	4056.35	2.4653	C+0400	0.0	0.0	0.0	1-266-08	1.92E-07	1.09E-06
6	4	51	5 C	12716.17	2	4056.36 4056.39	2.4653 2.4652	0.0400	0.0	0.0	0.0	0.0	1.446-07	8.69E-07
6	4	2	1	8418.13	1	4056.44	2.4652	0.0400	0.0	0.0	0.0	1.07E-08	1.67E-07	9.77E-07
5	2	10	11	6597.16	ì	4056.78	2.4650	0.0738 0.0545	0.0 0.0	0.0	2.53E-07	5.19F-06	2.91E-05	0.57F-05
3	1	3E	31	4027.09	i	4057.21	2.4647	0.0400	0.0	1.25E-07 '4.40E-05	1.58E-05	1.57E-04	5.67E-04	1.25E-03
7	5	21	20	11221.82	i	4057.57	2.4645	0.0447	0.0	0.0	7.12E-04 4.74E-08	2.53E-06	4.94E-03	7.216-03
ě	4	56	95	24797.05	ì	4657.72	2.4644	0.0400	0.0	0.0	0.0	0.0	3.27E-05	1.51F-04
7	5	77	76	20950.08	i	4058.3€	2.4640	0.0400	0.0	0.0	0.0	0.0	0•0 1•45E-08	1.51E~08
4	2	1	2	4177,65	5	4058.49	2.4640	0.0738	0.0	4.88E-08	8.88E-07	3.34E-06	6.76E-06	3.19E-07 1.01E-05
5	3	14	13	£537.71	2	4058.61	2.4639	0.0528	0.0	0.0	2 65E-07	2.56E-06	9.11E-06	1.98E-05
3	1	13	14	2478.38	2	4059.33	2.4635	0.0528	4.96E-08	9.34E-06	4.37E-05	8.34E-05	1.125-04	1.28E-04
2	C	3 6	39	2984.3C	1	4059.66	2.4633	C.0400	3.38E-07	2.15E-04	1.51E-02	3.53F-03	5.38E-03	6.64E-03
7	5	22	21	11299.67	1	4059.67	2.4633	0.0435	0.0	0.0	4.41E-08	2.86E-06	3.20E-05	1.49E-04
ϵ	4	3	2	F425.54	1	4059.93	2.4631	0.0707	0.0	0.0	3.77E-07	7.77E-06	4.36E-05	1.296-04
7	5	76	75	20711.97	1	4060.5C	2.4628	0.0400	0.0	0.0	0.0	0.0	1.84E-08	3.88E-07
4	2	2 C	21	5130.82	1	4060.62	2.4627	0.0447	0.0	4.53E-06	1.77E-04	9.77E-04	2.49E-03	4.336-03
2	C	2.3	24	1100.81	2	4060.84	2.4625	0.0412	1.965-05	1.36E-04	2.11F-04	2.32E-04	2.25F-04	2.05E-04
5	3	1 5	14	6587.74	2	4061-19	2.4623	0.0517	0.0	0.0	2.63E-07	2.59E-06	9.36E-06	2.05F-05
5	3	5	1 C	6556.05	1	4061.21	2.4623	0.6547	0.0	1.26E-07	1.54E-05	1.50E-04	5.39F-04	1.18E-03
6	4	95	94	24466.21	1	4061.39	2.4622	0.0400	0.0	0.0	0.0	0.0	0.0	1.93E-08
7	5	23	22	11379.15	1	4061.69	2.4620	0.0423	0.0	0.0	4.08E-08	2.73F-06	3.11E-05	1.47E-04
4	2	C	. 1	4170.43	2	4062.16	2.4617	0.0769	0.0	2.49E-08	4.51E-07	1.69E-06	3.42E-06	5.10E-06
7	5	75	74	20447.11	1	4062.56	2.4615	0.0400	0 • C	0.0	0.0	0.0	2.33F-08	4.70F-07
3	1	29	30	3909.71	1	4063.05	2.4612	0.0400	0.0	5.67F-05	8.34F-04	E0-3E8.S	5.37E-03	7.70E-03
6	4	4	3	8435.66	1	4063.36	2.4610	C.0676	0.0	0.0	4.97E-07	1.C3E-05	5.79E-05	1.71E-04
7 5	5	24	23	11467.27	1	4063.65	2.4608	0.0412	0.0	0.0	3.74E-08	2.59E-06	3.01E-05	1.44E-04
3	1	16	15	6641.34 2427.44	2	4063.7C	2.4608	0.0505	0.0	0.0	2.59E-07	2.61E-06	9.53E-06	2 • 1 1 E-05
5	3	86	85	18988.68	2	4063.81	2.4607	0.0540	5.905-08	9.85E-C6	4.42E-05	8-27E-05	1.10E-04	1.24E-04
7	5	74	73	20185.51	1	4064.33 4064.54	2.4604	0.0400	0.0	0.0	0.0	0.0 •	0.0	9.06E-09
é	4	54	93	24138.43	1	4064.98	2.4603 2.4600	C.04G0	0.0	0.0	0.0	0.0	2.94E-08	5.68E-07
7	5	25	24	11551.01	1	4065.52	2.4597	0.0400	0.0	0.0	0.0	0.0	0.0	2 • 4 7E-0 E
5	3	ē	9	6518.68	ì	4065.57	2.4597	0.0400	0.0	0.0 1.25F-07	3.40E-08 1.48E-05	2.44E-06	2.90E-05	1-41E-04
4	2	19	20	5051.77	ī	4065.76	2.4596	0.C458	0.0	5.24F-06	1.92F-04	1.42E-04 1.03E-03	5.05E-04 2.57E-03	1.10E-03
2	č	22	23	1012.90	2	4065.58	2.4554	C.0423	2.885-05	1.62E-04	2.34E-04	2.495-04	2.36E-04	4.42E-03 2.12F-04
2	Č	37	38	28.24.80	1	4066.06	2.4594	C+0400	6.75E-07	3.COE-04	1.87E-03	4.135-03	6.078-03	7.32E-03
5	ž	17	16	6559.49	2	4066.15	2.4593	C.0493	0.0	0.0	2.53E-07	2.60E-06	9.64E-06	2.15E-05
7	5	73	72	19927.18	1	4066.44	2.4592	0.0400	0.0	0.0	0.0	0.0	3.69E-08	6.84E-07
6	4	5	4	8451.48	1	4066.71	2.4590	0.0645	0.0	0.0	6.11E-07	1.27E-05	7 · 18E-05	2.13E-04
5	3	8.5	84	18698.40	2	4066.86	2.4589	C.0400	C.C	0.0	0.0	0.0	0.0	1.12E-08
7	5	26	25	11642.38	1	4067.33	2.4566	0.040,0	0.0	0.0	3.07F-08	2.29E-06	2.78F-05	1.37E-04
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VÜ	VL	JL	JL	LCWER State	CODE	WAVE Number	WAVE LENGTH	HALF" WIDTH	*****	** INTECRATI	ED ** ABSCF! CM-2*/		EFFICIENT *	****
				ENERGY		CN-1	MICHEN	V.S	T = 200	T = 600	T = 900	T = 1200	T = 1500	Y = 1800
2	1	11	12	2380.12	2	4068.23	2.4561	0.0542	6.87E-08	1.026-05	4.43E-05	8.12E-05	1.07E-04	1.20E-04
7	٤	72	71	19672.14	1	4068.26	2.4561	C • Q 4 0 C	C.C	0.0	0.0	C.O	4.62E-08	8.22E-07
6	4	63	92	23812.7C	1	4068.49	2.4579	0.0400	0.0	0.0	0.0	0.0	0.0	3.14E-08
5	3	18	17	6759.20	2	4068.53	2.4579	0.0482	0.0	0.0	2.44E-07	2.58F-06	9.69E-06	2.19F-05
3	1	28	29	379€.37	٠ 1	4068.82	2.4577	C.C4CC	1.63E-08	7.24E-05	9.73E-04	3.15E-03	5.82E-03	8.20F-03
7	5	27	26	11737.38	1	4069.06	2.4576	C.0400	0.0	0.0	2.75E-06	2.13F-06	2.655-05	1.33E-04
5	3	84	ខន	16411.21	2	4069.32	2.4474	0.0400	0.0	0.0	0.0	0.0	0.0	1.39E-08
4	2	1	¢	4166.82	2	4069.32	2.4574	0.0769	0.0	2.54E-08	4.59E-07	1.72E-06	3.47E-06	5.17F-06
5	3	7	8	€485.C3	1	4069.87	2.4571	0.0574	0.0	1.21E-07	1.39E-CF	1.328-04	4.66E-04	1.01E-03
6	4	•	5	E470.00	1	4069.99	2.4570	0.0621	C • 0	0.0	7.16E-07	1.50E-05	8.51E-05	2.53E-04
7	5	71	7 C	19420.38	1	4069.99	2.4570	0.0400	0.0	0.0	0.0	0.0	5.766-08	9.85F-07
7	5	28	27	11835.99	1	4070.71	2.4566	C.040C	0.0	0.0	2.45E-08	1.975-06	2.515-05	1.28E-04
4	2	18	19	4976.40	1	4070.84	2.4565	C.047C	0.0	6.00F-06	2.07E-04	1.07E-03	2.64E-03	4.48E-03
5	3	19	18	6823.48	2	4070.84	2.4565	0.0470	0.0	0.0	2.34E-07	2.53E-06	9.67E-06	2.20E-05
2	¢	21	22	928.62	2	4071.06	2.4564	0.0435	4.15F-05	1.90E-04	2.58E-04	2.656-04	2.46E-04	2.18F-04
7	5	7 C	69	19171.93	1	4671.65	2.456C	0.0400	0.0	0.0	0.0	0.0	7.16E-08	1 - 1 8E-06
5	3	83	82	16127.12	2	4071.7C	2.4560	0.0400	0.0	0.0	0.0	0.0	0.0	1.71F-08
E	4	92	91	23492.04	1	4071.91	2.4558	0.0466	0.0	0.0	0.0	0.0	0.0	3.99E-08
7	5	29	2 €	11938.21	1	4072.30	2.4556	0.0400	0.0	0.0	2.17F-08	1.82E-06	2.37F-05	1.22F-04
2	C	3€	37	2691.03	1	4072.39	2.4556	0.0400	1.32E-06	4 . 1 SE - C 4	2.31E-03	4.80E-C3	6.81E-03	0.04E-03
3	1	10	1 1	2336.44	2	4072.59	2.4554	0.0545	7.81E-08	1.CSE-CE	4.37E-05	7.886-05	1.03E-04	1.14E-04
4	2	8	1	4170.43	2	4072.80	2.4553	0.0738	C.C	5.C7E-CF	9.18E-07	3.44E-06	6.95E-06	1.04E-05
5	3	2 C	19	£691.30	2	4673.09	2.4551	0.0458	0.0	0.0	2.22E-07	2.47F-06	9.59F-06	2.21E-05
6	4	7	6	8492.22	1	4073.21	2 • 4 5 5 1	0.0597	0.0	0.0	8.10E-07	1.71E-05	9.78E-05	2.92F-04
7	5	€ 9	68	18926.79	1	4073.23	2.4551	0.0400	0.0	0.0	0.0	0.C	8.87E-08	1.40F-06
7	5	30	29	12044.05	1	4073.81	2.4547	0.0400	0.0	C.C	1.90E-08	1.66E-06	2.22E-05	1.17E-04
5	3	82	81	17846.16	2	4674.06	2.4546	C.040C	0.0	0.0	0.0	0.0	0.0	2.10E-08
5	3	•	7	6455.12	1	4074.09	2.4545	0.0597	0.0	1.14E-07	1.295-05	1.20E-04	4.22E-04	9.08E-04
3	1	27	26	3686.17	1	4074.53	2.4543	C.04CG	2.68F-08	9.14F-05	1.135-03	3.49E-03	6.28E-03	8.69E-03
7	5	68	67	18684.96	1	4 C 7 4 • 7 7	2.4542	C.0400	0.0	0.0	0.0	0.0	1.095-07	1.665-06
7	5	31	30	12153.49	1	4075.24	2.4538	C.C40C	0.0	0.0	1.66E-08	1.52E-06	2.08E-05	1 - 1 2E-04
€	4	91	90	23173.46	1	4075.25	2.4538	0.0400	0.0	O • C	0.0	0.0	0.0	5.05E-08
5	3	21	20	6562.68	2	4075.27	2.4538	C.0447	0.0	0.0	2.05F-07	2.40E-06	9.45F-06	2.20E-02
4	2	17	18	4904.90	1	4075.85	2.4535	0.0482	0.0	6.78E-06	2.218-04	1.116-03	2.69E-03	4.52E-03
2 7	c	20	21	847.99	2	4076.08	2.4533	G-0447	5.86E-05	2.21E-04	2 · 81E-C4	2.80E-04	2.55E-04	2-23E-04
4	5 2	€7 3	66 2	18446.48	1	4076.14	2.4533	C-0400	0.0	0.0	0.0	0.0	1.35E-07	1.97E-06
5	3	81	80	4177.65 17568.32	2	4076.21	2.4533	C.0707	0.0	7.52F-08	1.37E-06	5-15E-06	1.04E-05	1.565-05
6	4	- 6 - 7	7	6518•15	2	4076.23	2.4532	0.0400	0.0	0.0	0.0	0.0	0.0	2.58E-08
7	5	35	31	12266.54	1	4075.35	2.4532	C.C574	0.0	0.0	8.94E-07	1.91E-05	1 - 10E-04	3.28E-04
á	1	9	10	2296.39	1 2	4076.60	2.4530	C.04CC	0.0	0.0	1.44E-08	1.38F-06	1.946-05	1.06E-04
5	3	22	21	7037.61	2	4076.88 4077.37	2.4525 2.4526	C.0547	8-64E-08	1.05E-05	4.26E-05	7.56F-05	9.745-05	1.08E-04
7	5	66	65	16211.34	1	4077.48	2.4525	0.0435 0.0400	0.0	0.0	1.95E-07	2.31E-06	9.26E-06	2.19E-05
7	Ę	33	32	12363.18	1	4077.88	2.4525		0.0	0.0	0.0	0.0	1.65E-07	2.33F-06
5	ż		€	6428.95	1	4078.25		0.0400	0.0	0.0	1.24E-08	1.24F-06	1.80E-05	1.00E-04
5	3	e C	75	17293.62	2	4078.25	2.452C 2.452O	0.0621 0.04CC	0.0	1.05E-07	1.156-05	1.07E-04	3.72E-04	7.98E-04
6	4	90	68	22857.99	1	4078.5C	2.4519	0.0400 0.0400	0.0	0.0	0.0	0.0	0.0	3.15E-08
2	6	35	36	2550.01	1	4078.66	2.4518	0.0400	0.0 2.54E-06	0.0	0.0	0.0	0.0	6.376-08
7	5	65	64	17979.55	1	4678.74	2.4517	0.0400	0.0	5.69E~04 C.0	2.82E-03 0.0	5.55E-03 0.0	7.62E-03 2.02E-07	8.79F-03
7	5	34	33	12503.41	i	4079.09	2.4515	0.0400	0.0	0.0	1.06F-08			2.74E-06
Ē	3	23	22	7116.09	2	4079.41	2.4513	C+0427	0.0	0.0		1.12E-06	1.676-05	9.44E-05
ě	4	9	8	8547.78	1	4079.42	2.4513	0.0550	0.0	0.0	1.81F-07 9.65F-07	2.21E-06 2.09E-05	9.03E-06 1.21E-04	2.16F-05
4	2	4		4168.48		4079.56	2.4512	0.0676	0.0	9.83E~C8	1.81E-06	6.83E-06	1.385-05	3.63E-04 2.07E-05
			•	· · -	-				•••	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 + O 1 L U C	0.046-00	14005-03	20012-03

٧u	٧L	JU	JL	LCWER STATE	CODE	WAVE NUMBER	WAVE LENCTH	HALF WICTH	*****	** INTECRATI	ED ** ABSOR CM-2*		FFFICTENT *	******
				ENFRGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	5	64	63	17751.12	1	4079.92	2.4510	0.0400	0.0	0.0	0.0	0.0	2.45E-07	3.21E-06
3	1	26	27	3580.03		4080.18	2.4509	0.0400	4.32E-08	1 - 1 4E-04	1.29E-03	3.84F-03	6.75E-03	9.17E-03
7	5	35	34	12627.23		4080.23	2.4508	0.0400	0.0	0.0	0.0	9.97E-07	1.53E-05	8.86E-05
£	3	75	78	17022.07		4080.46	2.4507	0.0400	0.0	0.0	0.0	0.0	0.0	3.84E-08
4	2	16	17	4637.09	1	4080.79	2.4505	0.0493	0.0	7.57E-C6	2.34E-04	1.15E-03	2.73E-03	4.53E-03
7	£	63	62	17526.07	1	4081.02	2.4504	0.0400	0.0	0.0	0.0	0.0	2.98E-07	3.76E-06
2	C	19	20	771.00		4081.04	2.4504	0.0458	8.12F-05	2.55E-C4	3.05F-C4	2.94E-04	2.63E-04	2.28E-04
3	1	a	9	2259.98		4081.10	2.4503	0.0550	9.31E-C8	1.04E-05	4.08E-05	7.14E-05	9.12E-05	1.00E-04
7	5	36	35	12754.63		4081.29	2.4502	0.0400	C.O	0.0	0.0 .	8.86E-07	1-41E-05	8.28E-05
5	3	24	23	7158.11	2	4061.38	2.4502	0.0412	0.0	0.0	1.676-07	2.10E-06	8.76E-06	2.125-05
E	4	65	8.8	22545.62	1	4081.68	2.450C	0.0400	0.0	0.0	0.0	0.0	0.0	8.05E-08
7	5	62	61	17304.39	1	4062.C4	2.4498	0.0400	0.0	0 • C	0.0	0 • C	3.60E-07	4.39E-06
7	5	37	36	12885.61	1	4062.28	2.4496	0.6400	0.0	0.0	0.0	7.845-07	1.28E-05	7.72E-05
E	3	4	5	6406.52	1	4682.34	2.4496	C.0645	0.0	9.25F-08	1.00E-05	9.21F-05	3.19E-04	6.81E-04
6	4	1 C	9	8581.11	1	4082.42	2.4495	0.0547	0.0	0.0	1.02E-06	2.24E-05	1.31E-04	3.95E-04
5	3	7€	77	16753.69	2	4082.45	2.4495	0.0400	0.0	0.0	0.0	0.0	0.0	4.676-08
4	Z	€	4	4202.92	2	4082.84	2.4493	0.0645	0.0	1.19F-07	2.22E-06	8.43E-06	1.726-05	2.575-05
7	5	€1	6 C	17086.11	1	4082.98	2.4492	0.0400	0.0	0.0	0.0	C.O	4.33E-07	5.10E-06
7	5	3.6	37	13020.16	1	4083.19	2.4491	0.0400	0.0	0.0	0.0	6.89E-07	1.16E-05	7.16E-05
Ę	3	25	24	7263.66	2	4083.29	2.44SC	C.04C0	0.0	0 • C	1.52F-07	1.98E-06	8.45E-06	2.07E-05
7	5	60	59	16871.22	1	4083.84	2.4487	0.0400	0.0	0.0	0.0	1.22E-08	5.20E-07	5.91E-06
7	5	39	3E	13158.27	1	4084.02	2.4466	C.040C	0.0	0.0	0.0	6.03E-07	1.05E-05	6.62E-05
5	3	77	7€	164FÈ.47	2	4 C E 4 . 3 E	2.4484	0.0400	0.0	0.0	0.0	0.0	0.0	5.67E-08
7	5	59	58	16659.74	1	4084.63	2.4482	0.0400	0.0	0.0	0.0	1.54F-08	6.23E-07	6.855-06
€	4	89	87	22236.39	1	4684.77	2.4481	0.0400	0 • C	0.0	0.0	0.0	0.0	1.01E-07
7	5	4 C	39	13299.95	1	4084.78	2.4481	C+C40C	0.0	0.0	0.0	5.25E-07	9.49E-06	6.10E-05
2	G	34	35	2412.73	1	4084.86	2.4481	C.0400	4.78E-06	7.715-04	3.43E-03	6.39E-03	8.49E-03	9.575-03
5	3	26	25	7372.76	2	4685.12	2.4479	C+04CC	0.0	0.0	1.38E-07	1.86E-06	8.11E-06	2.025-05
3	1	7	8	2227.21	2	4085.26	2.4478	0.0574	9.73E-08	1.00E-05	3.84E-05	6.63E-05	8.41E-05	9 • 1 9E~05
7	5	58	57	16451.68	1	4085.33	2.4478	C.04CC	0.0	0.0	0.0	1.93E-08	7.43E-07	7.91E-06
6	4	11	10	£618.14	1	4085.34	2.4478	0.0545	. 0.0	0.0	1.07E-06	2.37E-05	1.39E-04	4.24E-04
7	5	41	4 C	13445.18	1	4085.46	2.4477	0.0400	0.0	0.0	0.0	4.55E-07	8.52E-06	5.61E-05
4	2	15	16	4773.03	1	4085.67	2 • 4476	C.0505	0.0	8.35E-06	2.45E-C4	1.176-03	2.74E-03	4.51E-03
3	1	25	2€	3477.63	1	4085.76	2.4475	C.04C0	6.83F-08	1.426-04	1.47E-03	4.20E-03	7.21E-03	9.64E-03
2	С	18	19	697.65	2	4685.93	2.4474	C.C470	1.10E-C4	2.90E-04	3.27E-04	3.07E-04	2.69E-04	2.31E-04
7	E	57	56	16247.05	1	4085.96	2.4474	C+04CC	0.0	0 • C	0.0	2.41E-08	8.84F-07	9.116-06
4	2	6	5	4220.97		4C86.C6	2.4473	0.0621	G • C	1.38F-C7	2.60E-0€	9.97F-06	2.04E-05	3.06F-05
7	5	48	41	13593.96		4066.07	2 4473	C+040C	0 • C	C+0	C.C	3.93E-07	7.61E-06	5.13E-05
5	3	7€	75	16226.44	2	4086.23	2.4472	0.0400	0.0	0.0	0.0	0.0	0.0	6.85E-08
5	3	3	4	6387.82	1	4086.35	2.4472	0.0676	0.0	7.78E-C8	8.30E-06	7.57E-05	2.61E-04	5.55E-04
7	5	56	5.5	16045.84	1	4066.51	2.4471	C.040C	0.0	0.0	0.0	3.006-08	1.058-06	1.05E-05
7	5	43	42	13746.29	1	40E6.6C	2.4470	0.0400	0.0	0.0	0.0	3.37E-07	6.78E-06	4.68E-05
٤	3	27	26	7465.39	2	4086.89	2.4468	C.04CC	0.0	0.0	1.24E-07	1.74E-06	7.74E-06	1.96E-05
7	5	££	5 4	15648.09	1	40 66 98	2.4468	C.040C	0.0	0.0	0.0	3.72€-08	1.24E-06	1.20E-05
7	5	44	43	13902.14	1	4087.05	2.4468	C.046C	0.0	0.0	0.0	2.88E-07	6.01E-06	4.255-05
7	5	54	53	15657.78	1	4087.38	2.4466	0.0400	0.0	0.0	0.0	4.58E-08	1.46E-06	1.366-05
7	5	4.5	44	14061.54	1	4087.43	2.4465	C-04C0	0.0	0.0	0.0	2.45F-07	5.30E-06	3.856-05
7	5	53	52	15462.93	1	4087.69	2.4464	0.0400	0.0	0.0	0.0	5.62E-08	1.71E-06	1.556-05
7	5	46	45	14224.45	1	4087.73	2.4463	C.0400	0.0	0.0	0.0	2.67E-07	4.67E-06	3.48E-05
€	4	e7	P.E	21920.29	1	4087.78	2.4463	0.0400	0.0	0.0	0.0	0.0	0.0	1.27E-07
7	5	52	51	15275.54	1	4087.93	2.4462	C-C4CG	0.0	0.0	0.0	6.87E-08	1.99E-06	1.766-05
7	5	47	46	14390.88	1	4007.96	2.4462	0:0400	0.0	0.0	0.0	, 1.74F-07	4.09E-06	3.13E-05
5	3	75	74	15567.60	2	4088.0C	2.4462	C-040C	0.C	0.0	0.0	0.0	0.0	8.266-08

VU	VL	JU	JL	LCWER STATE	CODE	NAVE Nave	WAVE Length	HALF Wićth	******	** INTEGRATI	ED ** ABSOR!		EFFICIENT **	*****
				ENERGY		CH-1	MICRON	NS	T = 300	T = 60C	T = 900	T = 1200	T = 1500	T = 1800
7	5	51	50	15091.63	1	4089.09	2.4461	0.0400	0.0	0.0	0.0	8.35E-08	2.32E-06	1 • 99E-05
7	5	4 E	47	14560,82	1	4088.11	2.4461	C.04C0	0.0	0.0	0.0	1.46F-07	3-57F-06	2.81E-05
7	5	5 C	49	14911.20	1	4088.17	2.4461	0.0400	0.0	0.0	0.0	1.01E-07	2.69E-06	2.24E-05
7	5	49	4 8	14734.27	1	4088.18	2.4461	C. C4G0	0.0	0.0	0.0	1.225-07	3.10E-06	2.51E-05
€	4	12	11	8658.86	1	4088.2C	2.4461	C.0542	0.0	0.0	1.10E-06	2.48E-05	1.47E-04	4.51E-04
5	3	28	27	7561.55	2	4088.58	2.4458	C.0400	0.0	C.O	1.11E-07	1.62E-06	7.36E-06	1.89F-05
4	2	7	6	4242.63	2	4089.21	2.4455	0.0597	0.0	1.54E-07	2.95E-06	1.14F-C5	2.34E-05	3.54E-05
3	1	€	7	2198.67	2	4089.36	2.4454	0.0597	9.835-08	9.475-06	3.54E-05	6.04E-05	7.60E-05	8.27E-05
E	3	74	73	15711.97	2	4089.7C	2.4452	C.0400	0.0	0.0	0.0	0.0	1 + 05E-08	9.94E-08
5	3	102	101	24961.22	1	4089.85	2.4451	C.0400	0.0	0.0	0.0	0.0	0.0	9.78E-09
5	3	25	38	7661.24	2	4090.21	2.4449	C+040C	0.0	0.0	9.86F~08	1.49E-06	6.96E-06	1.82E-05
5	3	2	3	€372.86	1	4090.30	2.4448	0.0707	0.6	6.07E-08	6.40E-06	5.81E-05	1.99E-04	4.23E-04
4	2	14	15	4712.73	1	4650.48	2.4447	C.C517	0.0	9.09E-06	2.54E-04	1.19E-03	2.74E-03	4.46E-03
6	4	€6	85	21627.34	1.	4690.70	2.4446	0.04CC	0.0	0.0	0.0	0.0	0.0	1.59F-07
2	C	17	18	627.96	2	4090.77	2.4445	C.C482	1.475-04	3.27E-C4	3.48E-04	3.17F~04	2.74E-04	2.32E-04
6	4	13	12	E703.29	1	4090.99	2.4444	0.0540	0.0	0.0	1 • 11E-06	2.56E-05	1.54E-04	4.74E-04
2	¢	33	34	2279.20	1	4091.00	2.4444	C.0400	8-85F-06	1.04E-C3	4.14E-03	7.32E-03	9.41E-03	1.045-02
3	1	24	25	2279.00	1.	4091.27	2.4442	C.0400	1.06E-07	1.73E-C4	1.67E-03	4458F-03	7.66E-03	1.01E-02
5	3	73	72	15459.54	2	4091.32	2.4442	0.0400	0 • C	0.0	0.0	0.0	1.31E-08	1.19E-07
5	3	30	29	7764.45	2	4091.77	2.4439	C.0400	0.0	0.0	8.69E-08	1.37E-06	6.56E-06	1.74E-05
4	2	€	7	4267.90	2	4692.29	2.4436	C.0574	0.0	1.67E-07	3.26E-06	1.27F-05	2.63E-05	3.98E-05
£	3	72	71	15210.34	'n	4092.86	2.4473	C.040C	0.0	0.0	0.0	0.0	1.64E-08	1.42F-07
5	3	31	3 C	7671.18	2	4093.25	2.4430	C.0400	0.0	0.0	7.625-08	1.26F-06	6-16E-06	1.66E-05
ŝ	1	5	6	2172.57	2	4093.40	2.4430	0.0621	9.576-08	8.67F-C6	3.18E-05	5.36F-05	6.71E-05	7.27E-05
è	4	€.€	84	21327.55	1	4093.54	2.4429	C • C4 CC	0.0	0.0	0.0	0.0	0.0	1.99F-07
6	4	14	13	8751.4C	1	4093.70	2.4428	0.0528	0 • C	0.0	1.11E-06	2.62E-05	1.59E-04	4.94E-04
£	3	1 C 1	100	24608.89	1	4094.CG	2.4426	C.C40C	0.0	0.0	0.0	0 • C	0.0	1.27E-08
£	3	1	2	6361.04	1	4054.18	2.4425	0.0738	0 • C	4 - 1 2E- G8	4.36E-06	3:94E-05	1.356-04	2.86E-04
5	3	71	7C	14564.37	2	4094:34	2.4424	0.0400	0.0	0.0	0.0	0.0	2.03E-08	1.70E-07
5	3	32	31	7981.43	2	4094.67	2.4422	0.0400	0.0	0.0	6.64F-08	1.14E-06	5.76E-06	1.58E-05
4	2	13	14	4656.18	1	4095.21	2.4419	0.0528	0.0	9.77F-06	2.61F-C4	1.19E-03	2.71E-03	4.38E-03
4	2	5	e	4296.77	2	4095.31	2.4418	0.0550	0.0	1.76E-07	3.52E-06	1.395-05	2.89E-05	4.41E-05
2	C	16	17	561.92	2	4095.53	2.4417	0.0493	1.91F-04	3.64F-04	3.68E-04	3.26E-04	2.77E-04	2.32F-04
5	3	7 C	69	14721.64	2	4095.73	2.4416	0.0400	0.0	0.0	0.0	0.0	2.51E-08	2.02E-07
5	3	33	32	EC95.19	2	4096.02	2:4414	C.0400	0.0	0.0	5.75E-CP	1.04E-06	5+36E-06	1.50E-05
6	4	84	23	21030.94	1	4096.30	2.4412	0.6400	0.0	0.0	0.0	0.0	1.126-08	2.48F-07
6	4	15	14	88C7.20	1	4096.34	2.4412	0.0517	0.0	0 • C	1.11E-06	2.65E-05	1.63E-04	5-10E-04
3	1	23	24	3284.13	1	4096.71	2.441C	0.0412	1.61F-07	2.10E-04	1.885-03	4.95E-03	8.1CE-03	1.05E-02
٤٠	3	69	6.8	14482.17	2	4097.05	2.4408	0.0400	0.0	0 • C	0.0	0.0	3.09E-08	2.39E-07
2	C	32	33	2149.44	1	4097.07	2.4408	0.0400	1.61E-05	1.38E-03	4.97F-03	8.33E-03	1.04E-02	1.12E-02
Ę	3	34	33	8212.45	2	4057.3C	2.4406	C.040C	0.0	0.0	4.95E-08	9.34F-07	4.97E-06	1.425-05
3	1	4	5	2150.72	2	4097.36	2.4406	C.0645	8.90E-08	7.65E-06	2.75F-05	4.61E-05	5.74E-05	6.20E-05
5	3	Ċ	1	€354.16	1	4097.99	2.4402	0.0769	0.0	2.14E-08	2.225-06	2.00E-05	6.82E-05	1.45E-04
Ę	3	100	99	24259.57	1	4098.06	2.4402	0.0400	0.0	0.0	0.0	0.0	0.0	1.66E-08
4	2	10	9	4329.25	2	4098.26	2.44C1	0.0547	0.0	1.826-07	3.74F-06	1.495-05	3.14E-05.	4.80E-05
E	3	€8	67	14245.95	2	4098.3C	2.4400	0.0400	0.0	0.0	0.0	0.0	3.79E-08	2.83E-07
5	3	35	34	£333.21	2	4098.51	2.4399	0.0400	0.0	0.0	4.23F-08	8.37E-07	4.59E-06	1.33E-05
é	4	1 €	15	£858.70	1	4699.91	2.4357	C.0505	0.0	0.0	1.09E-06	2.665-05	1.66E-04	5.24E-04
6	4	23	82	20737.52	1	4 C 9 B . 9 P	2.4396	0.0400	0.0	0.0	0.0	0.0	1.466-08	3.08E-07
5	3	67	66	14013.01	2	4099.48	2.4393	0.0400	0.0	0.0	0.0	0.0	4.64E-08	3.34E-07
5	3	3€	35	E457.48		4059.65	2.4352	0.0400	0.0	0.0	3.59F-08	7.47F-07	4.22E-06	1.255-05
4	2	12	13	4663.40	1	4099.89	2.4391	0,00540	0.0	1.03F-05	2.65E-04	1.19F-03	2.66E-03	4.26E-03
æ	С	1.5	16	499.54	2	4100.24	2.4389	C.C505	2.44E-04	3.99F-C4	3.84E-C4	3.33E-04	2.79E-04	2.31E-04

WCLECULAR LINE FARAMETERS FOR CIATOMIC MCLECULES CARBON MONDXIDE

								**						
٧L	٧L	JL	JL	LGWER	CODE	WAVE	WAVE	HALF ',	*******	* INTECRATI			EFFICIENT *	****
				STATE		VUNEER	LENCTH '	, WICTH			ÇM-2*	ATM-1	•	
				ENFRGY		CM-1	MICRON.	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
							٠,							
							: "							
5	3	66	65	13783.34	2	4100.57°	2:4387	0.0400	0.0	0.0	0.0	0.0	5.65E-08	3.92E~07
5	3	37	36	8585.23	2	4100.72	2.4386	C.040C	0 • C	0.0	3.03E-08	6.63F-07	3.86E-06	1.17F-05
4	2	11	10	4365.34	2	4101.14	2.4383	0.0545	0.0	1.85E-07	3.90E-06	1.58E-05	3.35E-05	5.16E-05
3	1	3	4	2132.50	2	4101.27	2.4363	0.0676	7.81E-08	6.42F-0 <i>f</i>	2.28F-05	3.79F-05	4.69E-05	5.06E-05
E	4	17	16	8917.88	1	4101.40	2.4382	0.0497	0.0	0.0	1.05E-06	2.65E-05	1.67E-04	5.34F-04
6	4	€2	81	20447.30	1	4101.58	2.4261	C.G4CC	0.0	0.0	0.0	0.0	1.89E-08	3.81F-07
5	3	65	64	13556.96	2	4101.6C	2.4381	0.0400	0.0	0.0	0.0	0.0	6.87E-08	4.59E-07
5	3	38	37	E716.48	2	4101.72	2.4380	0.0400	0.0	0.0	2.54F-08	5.86F-07	3.525-06	1.095-05
5	3	99	98	23912.24	1	41C2.03	2.4378	C . 0400	0.0	0.0	0.0	0.0	0.0	2.15E-08
3	1	22	23	3193.63	1	4102.09	2.4376	0.0423	2.40F-07	2.52F-04	5.03E-03	5.32E-03	8.526-03	1.09F-02
£	3	64	63	13333.88	2	4102.55	2.4375	0.0400	0.0	0.0	0.0	0.0	8.31E-08	5.376-07
5	3	39	38	8851.20	2	4102.64	2.4375	C.C400	0.C	0.0	2.11F-08	5.15E-07	3.20E-06	1.01E-05
2	0	31	32	2023.43	1	4103.08	2.4372	0.0400	2.86F-05	1.81E-03	5.91E-03	9.435-03	1.14E-02	1.21E-02
5	3	63	62	13114.11	2	4103.43	2.4370	0.0400	0.0	0.0	0.0	0.0	100E~07	6.25E-07
5	3	40	39	8989.41	2	4103.50	2.4369	0.0400	0.0	0.0	1.75E-08	4.50F-07	2:89E-06	9.32F-06
4	2	91	90	16574.52	2	41C3.73	2.4368	0.G40C	0.0	0.0	0.0	0.0	0.0	8.23F-09
€	4	18	17	8980.75	£	4103.83	2.4367	0.0482	0.0	0 • C	1.02E-06	2.61E-05	1.68E-C4	5.4CE-04
4	2	12	11	4405.02	2	4103.96	2.4367	0.0542	0.0	1.84E-07	4.02E-C6	1.66E-05	3.546-05	5.49E-05
6	4	€ 1	80	201€0.30	1	4104.69	2.4366	0.0400	0.0	0.0	C • O	0 • C	2.45F-08	4.71E-07
5	3	62	6 t	12857.64	2	4104.23	2.4365	0.0460	0 • C	0.0	0.0	0.0	1.21E-07	7.26E-07
를	3	41	40	9131.68	2	4104.29	2.4365	0.0400	0.0	0.0	1.44F-08	3.92E-07	2.605-06	8.58E-06
4	2	11	12	4554.37	1	4104.49	2.4364	C.0542	0.0	1.C8E-C5	2.66E-04	1.17E-03	2.59E-03	4.11E-03
2	С	14	15	440.81	2	4104.88	2.4361.	0.0517	3.04F-04	4.73E-04	3.98F-C4	3.36E-04	2.78F-C4	2.28F-04
5	3	61	60	12684.50	2	4104.96	2.4361.	0.0400	0.0	0.0	0.0	0.0	1.44E-07	8.41E-07
5	3	42	41	9276.23	2	4105.00	2.4361	0.0400 1	0.0	0 • C	1.18E-C8	3.40E-07	2.33E-06	7.88E-06
3	1	æ	3	2117.93	2	41C5.11	2.4360 .	,C+0707	.6.31E-0E	5.01E-06	1.76E-05	2.90E-05	3.59E-05	3.856-05
5	3	1	0	6350.41	1	4105.4C	2.4358	°° C`0769. `.	0.0	2.18E-08	2.26E-06	2.C3E-05	6.92E-05	1.47E-04
Ε	3	60	59	12474.70	2	4105.62	2.4357	0.0400	0.0,	0.0	0.0	1.17E-08	1.72E-07	9.70F-07
5	3	43	42	9424.83	2	4105.65	2.4357	C.04C0	O & C ·	0.0	0.0	2.93E-07	2.C9E-06	7.21E-06
5	3	98	97	23569.94	1	4105.93	2.4355	G.040C	0.0	0.0	0.0	0.0	0.0	2.78E-08
6	4	15	1 e	9047.30	1	4106.18	2.4354	C.0470	0.0	0.0	9.69E-07	2.565-05	1.67E-04	5.44E-04
Ę	3	59	58	12268.22	2	4106.20	2.4353	G.040G	010 5	0.0	0.0	1.46E-08	2.06E-07	1.12E-06
5	3	44	43	9576.89	2	4106.22	2.4353	0.0400	C•Q* (* ~	0.0	0.0	2.51E-07	1.86E-06	6.57F-06
€	4	80	79	19876.52	1	4106.53	2.4351	0.0400	0 • C.	0.0	0.0	0.0	3.156-08	5.80E-07
4	2	90	88	18265.99	2	4106.61	2.4361	C.C40C	, 40 • C	0.0	0.0	0.0	0.0	1.036-08
4	2	13	12	4448.31	2	4106.71	2.4350	0.0540	* 0 • 0	1.81E-C7	4.09E-06	1.71F-05	3.70E-05	5.78E-05
5	3	58	57	12065.10	2	4106.71	2.4350	C.0400	C,* O	0.0	0.0	1.82E-08	2.44E-07	1.298-06
5	3	45	44	9732.40	2	4106.72	2.4350	0.0400	0.0	0.0	0.0	2.15F-07	1.65E-06	5.97E-06
£	3	57	56	11865.33	2	4107.14	2.4348	C.C400 `	`'O∗0	0.0	0.0	2.26F-08	2.89E-07	1.48E-06
5	3	4 €	45	9891.36	2	4107.15	2.4748	0.0400	,0•0	0.0	0.0	1.82F-07	1.45E-06	5.41E-06
3	1	21	22	3105.69	1	4107.41	2.4346	, C • C 4 3 5	3.51E-07	2.99E-04	2.31E-03	5.68F-03	8.91E-03	1.12F-02
5	3	47	46	10053.75	2	4107.51	2.4346	· 0 • C 4 0 0	0 • C	0.0	0.0	1.54E-07	1.28E-06	4.89E-06
5	3	5€	55	11668.92	2	4107.51	2.4346	0.0400	0.0	0.0	C.O	2.80E-C8	3.41E-07	1.695-06
5	3	5.5	54	11475.88	2	41C7.8C	2.4344	C.C4C0	0.0	0.0	0.0	3.44F-08	4.01F-07	1.92€-06
5	3	48	47	10219.57	2	4107.80	2.4344	C.0400	0.0	0.0	0.0	1.3CE-07	1.12F-06	4.40F-06
5	3	49	48	10388.82	2	4108.02	2.4343	6.0400	0.0	C . O	0.0	1.09E-07	9.78E-07	3.94E-06
5	3	54	53	11286.22	2	4108.02	2.4343	0.0400	0.0	C.O	0.0	4.27E-08	4.69E-07	2.18E-06
£	2	E 3	52	11099.95		4108.16	2.4342	C.04GG	0.0	0.0	0.0	5.14F-08	5.48F-07	2.47F-06
5	3	50	49	10561.49	2	4108.16	2.4342	0.0400	0.0	0.0	0.0.	9.10E-C8	8.51E-07	3.53E-06
5	3	52	51	10917.06	2	4108.23	2.4341	C.04GC'	0.0	0.0	0.0	. 6.25E-08	6.37E-07	2.79E-06
년	3	51	50	10737.57		4108.23	2.4241	G.04CC	0.0	0 • C	0.0	7.56E-08	7.37E-07	3.14E-06
6	4	2 C	15	9117.53		4108.46	2.434C	0.0458	0.0	0.0	9.17E-07	2.49F-05	1.65F-04	5.44E-04
3	1	1	2	2107.00	2	4100.88	2.4338	0.0738	4.45E-0 <i>8</i>	3.44E-06	1.20F-05	1.97E-05	2.43E-05	2.606-05

VÜ	٧L	JU	JŁ	LCWER State	CODE	WAVE NUMBER	WAVE LENGTH	HÄLF WIDTH	******	** INTEGRATE	ED ** ABSCR!		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
ć	4	79	78	19595.97	1	4108.88	2.4338	0.0400	0.0	0+0	0.0	0.0	4.05E-08	7.13E-07
5	3	2	1	6354.16	1	4109.0C	2.4237	0.0738	0.0	4.35E-08	4.51E-06	4.06E-05	1.39E-04	2.94E-04
2	C	30	31	1961.19	1	4109.02	2.4337	0.0400	5.00E-05	2.37E~03	6.99E-03	1.06E-02	1.25F-02	1.30E-02
4	2	10	11	45C9.11	1	4109.C3	2.4337	0.0545	0.0	1.11E-05	2.63E-04	1.13E-03	2.49E-03	3.93E-03
4	2	14	13	4495.20	2	4109.39	2.4335	0.0528	0.0	1.758-07	4.11E-06	1.76E-05	3.83E-05	6.03E-05
4	5	89	ee	1796C.53	2	4109.42	2.4334	0.0400	0.0	0.0	0.0	0.0	0.0	1.30E-08
2	C	13	14	385.75	2	4109.46	2.4334	0.0528	3.72E-04	4.64E-04	4.08E-04	3.37E-04	2.75E-04	2.24E-04
5	3	97	96	23229.68	1	4109.73	2-4333	0.0400	0.0	0.0	0.0	0.0	0.0	3.586-08
ε	4	21	2 C	9191.44	1	4110.66	2.4327	0.0447	0.0	0.0	8.60E-07	2+41E-05	1.62E-04	5.41E-04
6	4	78	77	19318.68	1	4111.15	2.4324	0.0400	0.0	0.0	0.0	0.0	5.18E-08	8.73E-07
4	2	15	14	4545.69	2	4112.01	2.4319	0.0517	0.0	1.675-07	4.C8E-06	1.785-05	3.94E-05	6.24E-05
4	2	88	87	17658.15	2	4112.16	2.4318	0.0400	0.0	0.0	0.0	0.0	0.0	1.62E-08
5	3	3	2	6261.64	1	4112.53	2.4316	0.0707	0.0	6.44E-08	6.73E-06	6.08E-05	2.08E-04	4.41F-04
3	1	C	1	2099.72	2	4112.59	2.4316	0.0769	2.32F-08	1.76E-06	6.09E-06	9.99E-06	1.235-05	1.32E-05
, з	1	20	21	3022.13	1	4112.65	2.4315	0.0447	5.04E-07	3.50E-04	2.538-03	6.02E-03	9.26E-03	1.15E-02
6	4	22	21	9269.02	1	4112,.79	2.4314	0.0435	0.0	0.0	8.00E-07	2.31E-05	1.59E-04	5.36E-04
6	4	77	76	19044.64	1	4113.34	2.4311	0.0400	0.0	0.0	0.0	0.0	6.61E-08	1.07E-06
5	3	96	95	22892.46	1	4113.46	2.4310	0.0400	0.0	0.0	0.0	0.0	0.0	4.61E-08
4	' 2	9	10	4467.62	1	4113.49	2.4310	0.0547	0.0	1 • 12E-05	2.57E-04	1.09E-03	2.376-03	3.71E-03
2	C	12	13	334.34		4113.97	2.4367	0.0540	4.44E-04	4.90E-04	4 - 13E-04	3.35E-04	2.69E-04	2.18E-04
4	2	16	15	4555.77	2	4114.56	2.4304	0.0505	0.0	1.58E-07	4.02E-06	1.79E-05	4.01E-05	6.41E-05
4	2	87	86	17358.87	2	4114.81	2.4302	0.0400	0.0	0.0	0.0	0.0	0.0	2.03F-08
6	4	23	22	9350.27		4114.85	2.4302	0.0423	0.0	0.0	7.38E-07	2.20E-05	1.54E-04	5.28E-04
2	0	25	30	1782.72		4114.90	2.4302	0.0400	8.58E-05	3.05E-03	8.21E-03	1.19E-02	1.36E-02	1.39E-02
6	4	7€	75	16773.88		4115.45	2.4299	0.0400	0.0	0.0	0.0	0.0	8.41E-08	1.30E-06
5	3	4	3	6372.86		4115.99	2.4295	0.0676	0.0	8.41E-08	8.87E-06	8.04E-05	2.76E-04	5.87E-04
6	4	24	23	\$435.20		4116.84	2.4290	0.0412	0.0	0.0	6.76E-07	2.09E-05	1.49E-04	5-17E-04
4	2	17	16	4657.45		4117.04	2:4289	0.0493	0.0	1.47E-07	3.91E-06	1.79E-05	4 • 05E-05	6.54E-05
5	3		94	22558.31	1	4117.10	2.4289	0.0400	0.0	0.0	0.0	0.0	0.0	5.91E-08
4	2		85	17062.69		4117.39	2.4267	0.0400	0.0	0.0	0.0	0.0	0.0	2.52E-08
6	4	75	74	18506.41		4117.47	2.4267	0.0400	0.0	0.0	0.0	0.0	1.07E-07	1.58E-06
3	1		20	2942.34		4117.83	2-4265	0.0458	7.07E-07	4.06E-04	2.76E-03	6.35F-03	9.57E-03	1.18E-02
4	2		9	4429.89		4117.89	2.4284	0.0550	0.0	1.11E-05	2.47E-04	1.03E-03	2.226-03	3.46E-02
2	Č		12	286.60		4118.42	2.4261	C • 0542	5.18E-04	5.09E~04	4.13E-04	3.29E-04	2.62E-04	2.105-04
6	4	25	24	9523.78		4118.75	2.4279	0.0400	0.0	0.0	6.14E-07	1.96F-05	1.44E-04	5.05E-04
5	3		4	6367.82		4119.38	2.4276	0.0645	0.0	1.02E-07	1.095-05	9.94E-05	3.428-04	
6	4	74	73	18242.22		4119.42	2.4275	0.0400	0.0	0.0	0.0			7.30E-04
4	2		17	4718.72		4119.45	2.4275	0.0482	0.0	1.35E-07	3.78E-06	0.0	1.35E-07	1.91E-06
3	1		Ċ	2096.07		4119.81	2.4273	0.0769	2.38E-08	1.80E-06	6.19E-06	1.77E-05	4.07E~05 1.25E-05	6.63E-05
4	2		84	16769.63		4119.89	2.4273	0.040C	0.0	0.0		1.C1E-05		1.33E-05
6	4		25	9616.03		4120.59	2.4268				0.0 ,	0.0	0.0	3.14E-08
5	3		93	22227.24				0.0400	0.0	0.0	5.54E-07	1.84E-05	1.37E-04	4.90E-04
2	G		29	1668.03		4120.66	2.4268	0.0400	0.0	0.0	0.0	0.0	0.0	7.566-08
6	4		72	17981.34		4120.71	2.4268	0.0400	1.45E-04	3.91E-03	9.59F-03	1.33E-02	1.47E-02	1.48E-02
4	2					4121.28	2.4264	0.0400	0.0	0.0	0.0	0.0	1.70E-07	2.30E-06
4	2		18	4783.59		4121.79	2.4261	0.0470	0.0	1.22E-07	3.62E-06	1.73E-05	4.06E-05	6.68E-05
4			63	4295.93		4122.22	2.4259	0.0574	0.0	1.07E-05	2.33E-04	9.58E-04	2.056-03	3.17E-03
	2		_	16479.69		4122.32	2.4258	0.0400	0.0	0.0	0.0	0.0	0.0	3.88F-08
6			26	5711.93		4122.35	2.4258	0.0400	0.0	0.0	4.96E-07	1.71E-05	1.31E-04	4.746-04
5	3		. 5	6406.52	-	4122.70	2.4256	0.0621	0.0	1.18E-C7	1.28E-05	1 • 17E-04	4 • 06E-04	8.68E-04
2		-	11	242.53		4122.81	2.4255	0.0545	5.90E-04	5.22E-04	4.09E-04	3.19E-04	2.51E-04	2.00E-04
3			19	2866.33		4122.95	2.4254	0+0470	9.72E-07	4.65F-04	2.97F-03	6.64F-03	9.636-03	1.19E-02
6		72	71	17723.78		4123.07	2.4254	0.0400	0.0	0.0	0.0	0.0	2.13E-07	2.776-06
3	1	2	1	2099.72	2	4123.32	2.4252	0.0738	4.71E-08	3.58F-06	1.24E-05	2.035-05	2.50E-05	2.68E-05

νυ	٧L	JU	JL	LCWER STATE	CODE	WAVE RBBMUN	WAVE Length	' HALF	*****	** INTEGRAT	ED ** ABSOFI		EFFICIENT *	******
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	4	28	27	5811.48	1	4124.04	2.4248	0.0400	0,.0	0.0	4.41E-07	1.58E-05	1.24E-04	4.56E-04
E	2	20	19	4852.04	2	4124.07	2.4248	0.0458	0.0	1 • 10E-07	3.43E-06	1.698-05	4.02E-05	6.70E-05
4	3	93	92	21899.26	1	4124.13	2.4248	0.0400	0.0	0.0	0.0	0.0	0.0	9.64E-08
5	2	23	82	16192.90	2	4124.67	2.4244	0.0400	0.0	0.0	0.0	C.O	0.0	4.80E-08
4	4	71	70	17469.54	1	4124.77	2.4244	0.0400	0.0	0.0	0.0	0.0	2.66E-07	3.33E-06
6	4		28			4125.66	2.4239	C.0400	0.0	0.0	3.89E-07	1.45E-05	1 - 17E-04	4.37E-04
é		2 Ş 7	2 C	9914.69 6428.95	1	4125.95	2.4237	0.0597	0.0	1.31E-07	1.44E-05	1.34E-04	4.66E-04	1.00E-03
ŧ	3	21	20	4924.07	2	4126.28	2.4235	C.0447	0.0	9.776-08	3.23E-06	1.64E-05	3.975-05	6.68E-05
4	2	70	69	17218.64	1	4126.40	2.4234	0.0400	0.0	0.0	0.0	0.0	3.31E-07	3.99E-06
6	Č	27	28	1557.12		4126.46	2.4234	0.0400	2.39E-04	4.956-03	1.11E-02	1.476-02	1.59E-02	1.57E-02
2	-	- 6	7	4265.74	1	4126.48	2.4234	0.0597	0.0	1.01E-05	2.15E-04	8.74E-04	1.85E-03	2.866-03
4	2	3	ź	2107.00	ż	4126.77	2.4234	0.0707	6.87E-08	5.32E-06	1.85E-05	3.04F-05	3.75E-05	4.02E-05
4	2	ėz	81	15909.25	_	4126.94	2.4231	0.0400	0.0	0.0	0.0	0.0	0.0	5.91E-08
2	٥	ç	10	202.12		4127.14	2.4230	0.0547	6.54E-04	5.25E-04	3.98F-04	3.06E~04	2.39E-04	1.89E-04
6	4	30	29	10021.54	1	4127.20	2.4229	0.0400	0.0	0.0	3.41E-07	1.33E-05	1.10E-04	4.17E-04
6	. 3	92	91	21574.38	1	4127.52	2.4228	0.0400	0.0	0.0	0.0	0.0	0.0	1.235-07
6	4	69	68	16971.09	1	4127.94	2.4225	0.0400	0.0	0.0	0.0	0.0	4.116-07	4.76E-06
3	1	17	16	2754.11	1	4127.99	2.4225	0.0482	1.31E-06	5.27E-04	3.186-03	6.90E~03	1.00E-02	1.20E-02
4	ż	22	21	4999.68	2	4128.42	2.4222	0.0435	0.0	8.58E-C8	3.01E-06	1.58E-05	3.88E-05	6.62E-05
4		106		24504.34	1	4128.63	2.4221	0.0400	0.0	0.0	0.0	0.0	0.0	9.01E~09
6	4	31	36	10132.03	i	4128.67	2.4221	0.040G	0.0	0.0	2.98E-07	1.218-05	1:63E-04	3.98E-04
5	3	ē	7	6455.12	-	4129.12	2.4218	C.0574	0.0	1.42E-07	1.598-05	1.49E-04	5.23E-04	1.136-03
4	2	81	80	15628.77		4129.14	2.4218	0.0400	0.0	0.0	0.0	0.0	0.0	7.266-08
6	4	68	67	16726.89	1	4129.41	2.4217	C.0400	0.0	0.0	0.0	1.24E-08	5.096-07	5.66E-06
é	4	32	31	10246.16	ī	4130.07	2.4213	0.0400	0.0	0.0	2.58E-07	1.10E-05	9.556-05	3•77E-04
3	ī	4	3	2117.93	_	4130.15	2.4212	0.0676	8.75E-08	6.95E-06	2.44E-05	4.03E-05	4.98E-05	5.35E-05
4	à	23	22	EC78.88	2	4130.45	2.4210	0.0423	0.0	7.46E-08	2.79E-06	1.51E-05	3.78E-05	6.53E-05
4	2	5		4339.32		4130.67	2.4209	0.0621	0.0	9.30E-06	1.93E-04	7.77F-04	1.64E-03	2.52E-03
ė	4	67	66	16486.06	1	4130.79	2.4208	0.0400	0.C	0.0	0.0	1.625~08	6.27E-07	6.71E-06
Ē	2	91	90	21252.63	1	4130.83	2.4208	0.040C	0.0	0.0	0.0	0.0	0.0	1.56E-07
4	2	80	79	15351.45	2	4131.26	2.4206	0.0400	0.0	0.0	0.0	0.0	0.0	8.896-08
6	4	32	32	10363,92	1	4131.39	2.4205	C.0400	0.0	0.0	2.22E-07	9.91E-06	8.86E-05	3.57E-04
2	С	ε	g	165.38	2	4131.39	2.4205	0.0550	7.05E-04	5.19E-04	3.82E-C4	2.89E-04	2.24E-04	1.76E-04
6	4	66	65	16248.61	1	4132.10	2.4201	0.0400	0.0	0.0	0.0	2.10E-08	7.70E-07	7.94E-06
2	G	2€	27	1449.99	1	4132-14	2.4201	0.0400	3.87E-04	6.21E-03	1.28E-02	1.62E-02	1.71E-02	1.66E~02
5	3	9	е	6485.03	1	4132.23	2.4200	0.0550	0.0	1.49E-07	1.72E-05	1.63E-04	5.75E-04	1.256-03
4	2	24	23	5161.65	2	4132,.49	2.4198	0.0412	0.0	6.42E-08	2.57E-06	1.43E-05	3.67E-05	6.41E-05
6	4	34	33	10485.30	1	4132.63	2.4198	0.0400	0.0	0.0	1.89E-07	8.89E-06	8.18E-05	3.36E-04
3	i	1€	17	2725.67	1	4132.97	2.4196	0.0493	1.73E-06	5.89E-04	3.37E-03	7.11F-03	1.02E~02	1.216-02
4	2	105	104	24136,54	1	4133.08	2.4195	0.0400	0.0	0.0	0.0	0.0	0.0	1.198-08
4	2	75	78	15077.32	2	4133.30	2 • 4 1 9 4	0.0400	0.0	0.0	0.0	0.0	1.27E-08	1.09E-07
€	4	65	64	16014.55	1	4133.32	2.4194	0.0400	0.0	0.0	0.0	2.72E-08	9.43E-07	9.36E-06
3	1	5	4	2132.50	2	4133.47	2.4193	0.0645	1.03E-07	8.44E-06	3.COE-05	4.985-05	6.17E-05	6.656-05
6	4	36	34	10616.31	1	4133.80	2.4191	0.0400	0.0	0.0	1.61E-07	7.93E-06	7.52E-05	3.15E-04
5	3	9 G	89	26934.01		4134.05	2.4189	0.0400	0.0	0.0	0.0	0.0	0.0	1.97E-07
4	2	25	24	5247.99		4134.43	2.4187	0.0400	0.0	5.465-08	2.34E-06	1.35E-05	3.548-05	6.27E-05
E	4	64	63	15783.89		4134.47	2.4187	0.0400	0.0	0.0	0.0	3.51E-08	1.15F-06	1.10E-05
4	2	4	5	4316.68		4134.80	2.4185	0.0645	0.0	8.22E-06	1.68E-04	6.688-04	1.40E-03	2.14F-03
€	4	3€	35	10738.94		4134.89	2.4184	0.0400	0.0	0.0	1.356-07	7.035-06	6.88E-05	2.94E-04
5	3	1 C	9	6518.68		4135.26	2.4162	0.0547	0.0	1.54E-07	1.82E-05	1.750-04	6.23E-04	t.35E-03
4	2	7€	77	14806.39		4135.27	2.4182	G.040C	0.0	0.0	0.0	G • G	1.62E-08	1.32E-07
6	4	63	62	15556.63		4135.53	2.4181	0.0400	0.0	0.0	0.0	4.50E-08	1.40E-06	1.29E-05
2	0	7	8	132.31	2	4135.59	2.4 180	0.0574	7.38E-04	5.026-04	3.60E-04	2.69E-04	2.06E-04	1.62E-04

EMERGY	VÜ	VL.	JŲ	JL	LOWER STATE	CODE	BVAW REDMUN	WAVE LENGTH	HALÊ Width	****	** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	*****
6 4 37 36 1071.18 1 4135.91 2.4170 0.0400 0.0 0.0 1.13E-07 6.21E-06 6.27E-06 3.79E-08 1.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0					ENERGY		C#-1	MICRON	N2	00E = T	T = 600			T = 1500	T = 1800
4 2 26 25 2377.91 2 4126.25 2.4176 0.0000 0.0															
4							4135.91	2.4178	0.0400	0.0	0.0	1.13E-07	6.21E-06	6.27E-05	2.74E-04
C									0.0400	0.0	4.615-06				
3 1 6 5 2150.72 2 4136.71 2.4174 0.0021 1.14F-07 9.76E-06 3.51E-05 5.68E-06 7.73E-06 7.79E-06 6 1.36E-07 7.73E-07 7.73E-							4136.52	2.4175	- 0.04CO	0.0	0.0	0.0			
6 4 36 37 7 6 1432-66 2 4171 0.0040 0.0 0.0 0.0 9.44E-08 5.46E-06 0.05E-08 1.61E-07							4136.71	2.4174	0.0621	1.14F-07	9.76E-06				
4 2 77 76 14528.66 2 4137.16 2.4171 0.0400 0.0 0.0 0.0 0.0 2.055-0Ē 1.615-07 6 4 62 62 61618.51 1 1.137.15 2.4171 0.0400 0.0 0.0 0.0 0.0 0.0 1.205-08 2.495-07 6 4 62 62 62 61618.51 1 1.137.15 2.4165 0.0400 0.0 0.0 0.0 0.0 7.115-08 2.045-06 1.765-05 6 6 6 16112.37 1 1 4137.47 2.4165 0.0400 0.0 0.0 0.0 0.0 7.115-08 2.045-06 1.765-05 6 6 6 16112.37 1 1 4137.47 2.4165 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0							4136.86	2.4173	0.0400	0.0	0.0		-		
5						2	4137.16	2.4171	0.0400	0.0	0.0	0.0			
6 A 61 60 15112-37 1 4137-43 2-4170 0.0400 0.0 0.0 0.0 0.0 7.31E-08 2.06E-06 1.76E-08 4 216 102 2377170 1 4137-45 2.4166 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0						_		2.4171	0.0400	0.0	0.0				
4						1		2.4170	0.0400	0.0	0.0	0.0			
\$\begin{array}{cccccccccccccccccccccccccccccccccccc									0.0400	0.0	0.0	0 • 0			
2 C 25 26 1346.66 1 4137.75 2.4168 0.0400 6.166-04 7.70E-02 1.46E-02 1.78E-02 1.02E-02 1.02E-						-		2 • 4 168	0.0400	0.0				, .	
1								2.4168	0.0400	6.16E-04	7.70E-03	1.46E-C2	1.78E-02		
4 2 27 26 5431.39 2 4136.05 2.4166 0.0400 0.0 3.84E-08 1.90E-05 1.18E-05 3.24E-08 5.91E-08 1.45E-03 1.								2.4167	0.0505	2.23E-06	6.51E-04				
\$\frac{6}{4} \times 60 \times 5 \times 11 \triangle 10 \times 656.05 \triangle 1 \triangle 13 \triangle 11 \triangle 6 \triangle 65 \triangle 5 \triangle 14 \triangle 13 \triangle 2 \triangle 14 \triangle 13 \triangle 13 \triangle 14 \triangle 13 \triangle 13 \triangle 14 \triangle 13 \triangle 14 \triangle 14 \triangle 14 \triangle 13 \triangle 14							4138.0s	2 - 4 1 6 6	0.0400	0.0	3.84E-08	1.90E-06			
6 4 6C 59 14859.39 1 4138.26 2.4165 0.0400 0.0 0.0 0.0 0.4158-06 2.4365-06 2.068-09 1 4138.26 2.4161 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0								2.4165	0.0545	0.0	1.55E-07	1-90E-05			
6 4 C 39 11289.51 1 4138.62 2.4161 0.0076 0.0 0.0 6.40E-08 4.15E-06 1.15E-03 1.75E-03 4 2 3 4 4257.80 1 4138.08 2.4161 0.0076 0.0 0.0 0.0 0.0 0.0 1.17E-03 1.75E-03 1						-		2.4165	0.0400	0.0	0.0	0.0			
4 2 3 4 4271.80 1 4138.88 2.4161 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 2.60E-06 1.35E-07 0.0 1.55E-07 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0		-				1		2.4163	0.0400	0.0	0.0				
4 2 76 75 14274.14 2 4138.96 2.4161 0.0400 0.0 0.0 0.0 0.0 0.0 2.50E-08 1.95E-07 2.50E-08 6 4 55 58 148681.85 1 4139.23 2.4159 0.0400 0.0 0.0 0.0 2.30E-08 3.59E-06 2.35E-06 6 4 58 57 147471.76 1 4139.62 2.4156 0.0597 7.78E-04 4.73E-04 3.22E-04 2.45E-04 0.0597 7.78E-04 4.73E-05 1.79E-05 1.7								2.4161	0.0676	0.0					
2.4 59 58 14861.85 1 4139.01 2.4160 0.0400 0.0 0.0 0.0 0.0 1.17F-07 2.95E-06 2.30E-06 6 4 14 40 11336.14 1 4139.22 2.4159 0.0400 0.0 0.0 0.0 0.0 1.47E-07 3.52E-06 2.74E-05 2.				_					0.0400	0.0	0.0	0.0			
6 4 58 57 14471.76 1 4139.23 2.4159 C.0000 0.0 0.0 5.23E-08 3.59E-06 4.15E-05 1.98E-06 2.45E-04 0.0597 7.48E-04 4.73E-04 3.32E-04 2.45E-04 1.67E-04 1.45F-04								2.4160	0.0400	0.0	0.0	0.0	1.17F-07		
6 4 58 57 14471.76 1 4139.68 2.4156 0.0400 0.0 0.0 0.0 1.47E-07 3.52E-06 2.74E-06 2 0.6 7 102.91 2 4139.72 2.4156 0.0597 7.48E-04 4.73E-04 3.22E-04 2.45E-06 1.87E-06 2.45E-06 1.87E-06 2 1.10E-05 3.07E-05 5.70E-05 2.70E-05 2 1.70E-06 1 1.70E-0				_		1		2 • 4 1 5 9	C.0400	0.0	0.0	5.236-08			
2 0 6 7 102.91 2 4139.72 2.4156 0.0597 7.48E-04 4.73E-04 3.32E-04 1.87E-04 1.48F-04 5.70E-05 6 4 42 41 115.62.35 1 4139.87 2.4155 0.0400 0.0 0.0 4.24E-08 3.09E-06 3.70E-05 1.81E-04 1.82E-05 1.									0.0400	0.0	0.0	0.0	1.47E-07		
\$\frac{6}{6} 4 \frac{2}{2} 27 \text{ \$5526.43} 2 4139.682 \$2,4156 \$0.0400 \$0.0 \$								2 • 4 1 5 6	0.0597	7.48E-04	4.73E-04	3∙32É-04	2.458-04		
2 1 7 6 2172.57 2 4135.97 2.4155 0.0400 0.0 0.0 4.24E-08 3.09E-06 3.70E-05 1.81E-06 5 3.0 88 67 20306.23 1 4140.28 2.4153 0.0400 0.0 0.0 0.0 0.0 0.0 1.86E-07 4.20E-05 3.19E-07 6.73E-05 8.27E-05 9.13E-05 6.73E-07 6.73E-0									6.0400	0.0	3.17E-08	1.70E-06	1.10E-05		
\$\frac{1}{5}\$ \$\frac{1}{5}\$ \$\frac{1}{2}						_		2.4155	0.0400	0.0	0.0	4-24E-08	3.09E-06		
\$ 3 E8 67 20306.23 1 4140.25 2.4153 0.0400 0.0 0.0 0.0 0.0 0.0 1.60E-08 3.15E-07 6 4 57 56 14265.13 1 4140.28 2.4153 0.0400 0.0 0.0 0.0 3.416-08 2.65E-06 3.29E-05 1.55E-04 42 42 11740.14 1 4140.28 2.4152 0.0400 0.0 0.0 0.0 3.416-08 2.65E-06 3.29E-05 1.55E-04 42 42 11740.14 1 4140.28 2.4150 0.0400 0.0 0.0 0.0 0.0 3.27E-08 2.35E-07 6 4 56 55 14061.97 1 4140.79 2.4150 0.0400 0.0 0.0 0.0 0.0 2.30E-07 4.99E-06 3.62E-05 6 4 44 43 11857.51 1 4140.493 2.4150 0.0400 0.0 0.0 0.0 2.73E-08 2.26E-06 2.91E-05 1.50E-04 1.58E-03 6 4 44 43 11857.51 1 4140.493 2.4150 0.0542 0.0 1.55E-07 1.95E-05 1.93E-07 7.01E-04 1.58E-03 6 4 55 54 13862.29 1 4141.42 2.4147 0.0400 0.0 0.0 0.0 2.17E-08 1.93E-07 5.90E-06 4.158E-05 6 4 54 13862.29 1 4141.34 2.4147 0.0400 0.0 0.0 2.17E-08 1.91E-05 2.57E-05 1.36E-04 4.10E-05 2.51E-05 1.36E-04 4.10E-05 2.51E-05 1.36E-04 4.10E-05 2.51E-05 1.36E-04 4.10E-05 2.51E-05 1.36E-05 2.51E-05 1.36E-05 2.51E-05 2.51E-0								2.4155	0.0597	1.20E-07	1.096-05	3.986-05	6.736-05		
6 4 37 56 14265.13 1 4140.42 2.4153 0.0400 0.0 0.0 0.0 0.0 1.88E-07 4.20E-06 3.29E-05 1.65E-04 4 2 75 74 14012.86 2 4140.72 2.4150 0.0400 0.0 0.0 0.0 0.0 0.0 3.27E-08 2.35E-07 6 56 55 14012.86 2 4140.72 2.4150 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.27E-08 2.35E-07 6 4 44 43 1157.51 1 4140.73 2.4150 0.0400 0.0 0.0 0.0 0.0 2.73E-08 2.26E-06 2.91E-07 6 4 44 43 1157.51 1 4140.93 2.4149 0.0562 0.0 1.55E-07 1.99E-05 1.50E-04 7.01E-04 1.54E-03 1.56E-05 1.56E-04 7.01E-04 1.54E-05 1.50E-04 7.01E-04 1.54E-05 1.50E-05 1.50E-04 7.01E-05 1.50E-04 7.01E-05 1.50E-04 7.01E-05 1.50E-05 1.50E-04 7.01E-05 1.50E-05 1.50E-04 7.01E-05 1.50E-05 1.50E-05 1.50E-04 7.01E-05 1.50E-05								2.4153	0.0400	0.0	0.0	0.0	0.0	1.60E-08	
4 2 75 74 14012.86 2 4140.72 2.4150 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.27E-08 2.35E-07 6 4.601.97 1 4140.79 2.4150 0.0400 0.0 0.0 0.0 0.0 0.0 2.30E-07 4.99E-06 3.62E-05 6 4.6 55 14061.97 1 4140.79 2.4150 0.0400 0.0 0.0 0.0 0.0 2.30E-07 4.99E-06 3.62E-05 6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4									0.0400	0.0	0.0	0.0	1.84E-07	4.20E-06	
4 2 7E 74 14012.86 2 4140.72 2.4150 0.0400 0.0 0.0 0.0 0.0 3.27E-08 3.35E-07 6 4 56 55 14061.97 1 4140.79 2.4150 0.0400 0.0 0.0 0.0 2.30E-07 4.99E-06 3.35E-07 6 4 44 43 11657.51 1 4140.93 2.4149 0.0562 0.0 0.0 0.0 2.73E-08 2.26E-06 2.91E-05 1.50E-04 5.50E-04 5.50E-05 1.50E-04 5.50E-05 1.50E-04 5.50E-05 1.50E-04 5.50E-05 1.50E-05 1.50E								2.4152	C.0400	0.0	0.0	3.415-08	2.65E-06	3.29E~05	
\$\begin{array}{cccccccccccccccccccccccccccccccccccc									0.0400	0.0	0.0	0.0	0.0		
\$ 44 44 31 1657.51								2 • 4 150	0.0400	0.0	0.0	0.0	2.30E-07	4.99E-06	
\$ 3 12 11								2.4149	C.0400	0.0	0.0	2.73E-08	2.26E-06	2.91E-05	
\$\begin{array}{cccccccccccccccccccccccccccccccccccc								2.4148	0.0542	0.0	1.55E-07	1.95E-05	1.93E~04	7.01E-04	
2 44 44 12058.43 1 4141.34 2.4147 0.0400 0.0 2.17E-08 1.91F-06 2.91E-05 5.48E-05 4 54 53 13666.09 1 4141.55 2.4145 0.0400 0.0 0.0 0.0 0.0 3.52E-07 6.95E-06 4.74E-05 6.4 46 45 1222.92 1 4141.68 2.4145 0.0400 0.0 0.0 0.0 1.72E-08 1.62E-06 2.26E-05 1.22E-04 2.102 2.3406.84 1 4141.73 2.4145 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0								2.4147	0.0400	0.0	0.0	0.0			
\$\frac{2}{6} \frac{2}{6} \frac{5}{6} \frac{2}{5} \frac{1}{6} \frac{2}{6} \frac{1}{6} \frac								2.4147	0.0400	0.0	0.0	2.17E-08	1.91F-06		
6 4 54 53 13666.09 1 4141.55 2.4145 0.0400 0.0 0.0 0.0 3.52E-07 6.95E-06 4.74E-05 4.6 46 46 12822.92 1 4141.68 2.4145 0.0400 0.0 0.0 0.0 1.72E-08 1.62E-06 2.26E-05 1.22E-04 2.103 102 23409.84 1 4141.73 2.4145 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0						2		2.4146	0.0400	0.0	2.60E-08	1.51E-06	1.01E-05	2.91E-05	
\$\begin{array}{cccccccccccccccccccccccccccccccccccc										0.0	0.0	0.0	3.52E-07		
4 2 103 102 23405.84 1 4141.73 2.4145 C.0400 0.0 0.0 0.0 0.0 0.0 0.0 2.06E-08 6 4 52 52 13472.39 1 4141.87 2.4144 0.0400 0.0 0.0 0.0 0.0 4.33E-07 8.16E-06 5.40E-05 6 4 47 46 12350.96 1 4141.93 2.4143 0.0400 0.0 0.0 0.0 1.35E-08 1.36E-06 1.97E-05 1.10E-04 6 4 52 51 13264.19 1 4142.07 2.4143 0.0400 0.0 0.0 0.0 5.30E-07 9.55E-06 6.13E-05 6 4 4E 47 12562.54 1 4142.12 2.4142 0.0400 0.0 0.0 0.0 5.30E-07 9.55E-05 9.84E-05 6 4 51 50 13058.50 1 4142.20 2.4142 0.0400 0.0 0.0 0.0 6.46E-07 1.11E-05 6.93E-05 6 4 49 48 12737.07 1 4142.22 2.4142 0.0400 0.0 0.0 0.0 0.0 9.45E-07 1.49E-05 8.76E-05 6 4 50 49 12516.32 1 4142.22 2.4141 0.0400 0.0 0.0 0.0 0.0 7.83E-07 1.29E-05 7.82E-05 7.82E-05 7.29E-05 7.82E-05 7.82E-05 7.29E-05 7.82E-05 7.29E-05 7.82E-05 7.29E-05 7.82E-05 7.29E-05 7.82E-05 7.29E-05 7.29E				_						0.0	0.0	1.72E-08	1.625-06		
6 4 55 52 13472.39 1 4141.87 2.4144 0.0400 0.0 0.0 0.0 1.35E-08 1.36F-06 1.97E-05 1.10E-04										0.0	0.0	0.0	0.0	0.0	2.066-08
6 4 52 51 13264.19 1 4142.07 2.4143 0.0400 0.0 0.0 0.0 5.30E-07 9.55E-06 6.13E-05 6 4 4E 47 12562.54 1 4142.12 2.4142 0.0400 0.0 0.0 0.0 1.05E-0E 1.14E-06 1.72E-05 9.84E-05 6.4 5E 13058.50 1 4142.22 2.4142 0.0400 0.0 0.0 0.0 0.0 6.46E-07 1.11E-05 6.93E-05 6.4 45 12516.32 1 4142.22 2.4142 0.0400 0.0 0.0 0.0 9.45E-07 1.49E-05 8.76E-05 6.4 5C 45 12516.32 1 4142.22 2.4141 0.0400 0.0 0.0 0.0 0.0 7.83E-07 1.29E-05 7.82E-05 7.82E-05 7.83E-05 7.83E-07 1.29E-05 7.82E-05 7.83E-05 7.83E-05 7.83E-07 1.29E-05 7.83E-05 7.83E											0.0	0.0	4.33E-07	8.16E-06	
6 4 4E 47 12562.54 1 4142.12 2.4142 C.040C 0.C 0.O 0.O 1.05E-0E 1.14E-06 1.72E-05 9.84E-05 6 4 51 5C 13058.50 1 4142.2C 2.4142 0.040O 0.O 0.O 0.O 0.O 0.O 0.O 0.O 0.O 0.O 0											0.0	1.35E-08	1.36F~06	1.97E-05	1.10E-04
6 4 51 50 13098.50 1 4142.20 2.4142 0.0400 0.0 0.0 0.0 6.46E-07 1.11E-05 6.93E-05 6.4 49 48 12737.67 1 4142.22 2.4142 0.0400 0.0 0.0 0.0 9.45E-07 1.49E-05 8.78E-05 6.4 50 49 12916.32 1 4142.22 2.4141 0.0400 0.0 0.0 0.0 0.0 7.83E-07 1.29E-05 7.82E-05 7.82E											0.0	0.0	5.30Ê-07	9.55È-06	6.13E-05
6 4 49 48 12737.67 1 4142.22 2.4142 0.0400 0.0 0.0 0.0 9.45E-07 1.49E-05 8.78E-05 6 4 50 49 12916.32 1 4142.22 2.4141 0.0400 0.0 0.0 0.0 7.83E-07 1.29E-05 7.82E-05 4 2 74 73 13754.80 2 4142.38 2.4141 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0											0.0	1.05E-08	1.14E-06	1.726-05	
6 4 49 48 12/37.67 1 4142.22 2.4142 0.0400 0.0 0.0 0.0 0.0 7.45E-07 1.49E-05 8.76E-05 6 4 50 49 12916.32 1 4142.25 2.4141 0.0400 0.0 0.0 0.0 7.65E-07 1.29E-05 7.82E-05 7.82E-										0.0	0.0	0.0	6.46E-07	1.11E-05	6.93E-05
4 2 74 73 13754.80 2 4142.82 2.4141 G.04GC 0.0 0.0 0.0 0.0 0.C 4.10E-08 2.84E-07 3 1 14 15 26CC.15 1 4142.72 2.4139 0.0517 2.81E-06 7.09E-04 3.67E-03 7.36E-03 1.02E-02 1.19E-02 4.2 2 3 4282.70 1 4142.84 2.4138 0.0707 0.0 5.40E-06 1.07E-04 4.21E-04 8.77E-04 1.33E-03 1 8 7 2198.07 2 4143.01 2.4137 0.0574 1.22E-07 1.18E-05 4.40E-05 7.50E-05 9.45E-05 1.03E-04 4 2 30 25 5733.20 2 4143.07 2.4137 0.0400 0.0 2.10E-08 1.33E-06 9.30E-06 2.73E-05 5.24E-05 3 87 86 19997.09 1 4143.22 2.4136 0.0400 0.0 0.0 0.0 0.0 0.0 2.11E-08 3.96E-07 2.0 2.4 25 1247.11 1 4143.30 2.4135 0.0400 9.59E-04 9.45E-03 1.66E-02 1.94E-02 1.95E-02 1.82E-02											0.0	0.0	9.45E-07	1.49E-05	8.78E-05
3 1 14 15 2600.15 1 4142.72 2.4139 0.0517 2.81E-06 7.09E-04 3.67E-03 7.36E-03 1.02E-02 1.19E-02 4.2 2 3 4282.70 1 4142.84 2.4138 0.0707 0.0 5.40E-06 1.07E-04 4.21E-04 8.77E-04 1.33E-03 1 8 7 2198.07 2 4143.01 2.4137 0.0574 1.22E-07 1.18E-05 4.40E-05 7.50E-05 9.45E-05 1.03E-04 2 3 0.05 6733.20 2 4143.07 2.4137 0.0400 0.0 2.10E-02 1.33E-06 9.30E-06 2.73E-05 5.24E-05 3 87 86 19957.09 1 4143.22 2.4136 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 2.11E-08 3.96E-07 2 0 24 25 1247.11 1 4143.30 2.4135 0.0400 9.59E-04 9.45E-03 1.66E-02 1.94E-02 1.95E-02 1.82E-02													7.83E-07	1.296-05	
1 14 15 260C.15 1 4142.72 2.4139 0.0517 2.81E-C6 7.09E-O4 3.67E-O3 7.36E-O3 1.02E-O2 1.19E-O2 4.21E-O4 4.21E-O4 4.21E-O4 8.77E-O4 1.33E-O3 1.02E-O2 1.19E-O2 4.4136 0.0707 0.0 5.40E-O6 1.07E-O4 4.21E-O4 8.77E-O4 1.33E-O3 1.02E-O3 1.03E-O4 4.21E-O4 4.21E-O4 4.21E-O4 4.21E-O4 4.21E-O4 4.21E-O4 4.21E-O4 4.21E-O4 4.21E-O4 1.33E-O3 1.03E-O4 4.21E-O4 1.33E-O3 1.03E-O4 4.21E-O4 1.33E-O3 1.03E-O4 4.21E-O4 1.33E-O5 5.24E-O5 5.24E-O5 5.24E-O5 5.24E-O5 1.03E-O4 1.22E-O7 1.22E-O7 1.23E-O6 9.30E-O6 2.73E-O5 5.24E-O5												0.0	0 • C	4.10E-08	2.84E-07
4 2 2 3 4282.70 1 4142.84 2.4138 0.0707 0.0 5.40E-06 1.07E-04 4.21E-04 8.77E-04 1.33E-03 2 1 8 7 2198.07 2 4143.01 2.4137 0.0574 1.22E-07 1.18E-05 4.40E-05 7.50E-05 9.45E-05 1.03E-04 2 30 25 5733.20 2 4143.07 2.4137 0.0400 0.0 2.10E-0E 1.33E-0E 9.30E-0E 2.73E-05 5.24E-05 5 3 87 86 1997.09 1 4143.22 2.4136 0.0400 0.0 0.0 0.0 0.0 2.11E-08 3.96E-07 2 0 24 25 1247.11 1 4143.30 2.4135 0.0400 9.59E-04 9.45E-03 1.66E-02 1.94E-02 1.95E-02 1.82E-02												3.67E-03	7.36E-03		
4 2 30 25 5733.20 2 4143.07 2.4137 0.0400 0.0 2.10E-08 1.33E-06 9.30E-06 2.73E-05 5.24E-05 5 3 67 86 19997.09 1 4143.22 2.4136 0.0400 0.0 0.0 0.0 0.0 0.0 2.11E-08 3.96E-07 2 0 24 25 1247.11 1 4143.30 2.4135 0.0400 9.59E-04 9.45E-03 1.66E-02 1.94E-02 1.95E-02 1.82E-02											5.40E-06	1.07E-04	4.21E-04		
4 2 30 25 5733.20 2 4143.07 2.4137 0.0400 0.0 2.10E-0E 1.33E-06 9.30E-06 2.73E-05 5.24E-05 5 3 87 86 1997.09 1 4143.22 2.4136 0.0400 0.0 0.0 0.0 0.0 2.11E-08 3.96E-07 2 0 24 25 1247.11 1 4143.30 2.4135 0.0400 9.59E-04 9.45E-03 1.66E-02 1.94E-02 1.95E-02 1.82E-02											1.18E-05	4.40E-05	7.50E-05	9.45E-05	1.03E-04
5 3 87 86 19997.09 1 4143.22 2.4136 0.0400 0.0 0.0 0.0 0.0 2.11E-08 3.96E-07 2 0 24 25 1247.11 1 4143.30 2.4135 0.0400 9.59E-04 9.45E-03 1.66E-02 1.94E-02 1.95E-02 1.82E-02											2.105-08	1.33E-06	9.308-06		
2 U 24 25 1247-11 1 41433-3C 2-4135 C-0400 9-59E-04 9-45E-03 1-66E-02 1-94E-02 1-95E-02 1-82E-02										•	0.0	0.0	0.0	2.11E-08	
											9.45E-03	1.66E-02	1.94E-02		
	Z	С	5	6	77.19	2	4143.75	2.4132	0.0621	7.28E-04	4.345-04	2.98E~04	2.18E-04	1.655-04	

٧U	٧L	٦ť	JL	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF Wicth	******	** INTEGRATI	ED ** ABSCR C%-2*	PTICN ** CO		
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
				•										•
5	3	13	12	6642.00	1	4143.94	2.4132	0.0540	0.0	1.51E-07	1.98E-05	2.00F-04	7.32E-04	1.62F-03
4	2	73	72	13499.99	`2	4143.97	2.4131	0.0400	0.0	0.0	0.0	0.0	5.14E-08	3.41E-07
4	2	31	30	5840.91	2	4144.59	2.4128	0.0400	0.0	1.69E-08	1.16E-06	8.515-06	2.57E-05	5.00E-05.
4	2	72	71	13248.44	2	4145.49	2.4123	0.0400	0.0	0.0	0.0	0.0	6.40E-08	4.08E-07
4	2	102	101	86.050ES	1	4145.93	2.4120	0.0400	0.0	0.0	0.0	0.0	0.0	2.70E-08
4	2	32	31	5952.17		4146.04	2.4119	0.040C	0.0	1.35E-08	1.01E-06	7.74E-06	2.405-05	4.76F-05
3	1	S	8	2227.21	2	4146.06	2.4119	0.055C	1.20E-07	1.24E-C5	4.75F-05	8.20F~05	1 • C4E-04	1.145-04
5	3	€€	23	19691.13	1	4146-11	2.4119	0.0400	0.0	0.0	0.0	0.0	2.78E-08	4.97E-07
5	2	14	13	6690.57	1	4146.68	2.4116	0.0528	0.0	1.465-07	1.98E-05	2.04E-04	7.56E-C4	1.69E-03
4	2	1	2	4271.38	1	4146.75	2.4115	0.0738	0.0	3.72E-06	7.31E-05	2.86E-04	5.94E-04	9.02F-04
4	2	71	70	13000.15	2	4146.93	2.4114	0.0400	0.0	0.0	0.0	0.0	7.96E-08	4.87E-07
4	2	23	32	6066.97		4147.42	2.4111	0.0400	0.0	1.06E-CE	8.746-07	7.00E-06	2.23E-05	4.51E-05
3	ī	13	14	2543.08	1	4147.5C	2.4111	0.0528	3.46F-06	7.63F-04	3.77E-03	7.40E-03	1.01E-02	1.17E-02
2	ō	4	5	55.14		4147.75	2.4109	0.0645	6.78E-04	3.83E-04	2.58E-04	1.87F-04	1.41E-04	1.09E-04
3	ī	94	93	17590.57		4148.03	2.4108	0.0400	0.0	0.0	0.0	0.0	0'• 0	9.52E-09
4	2	70	69	12755.13		4148.30	2.4106	0.0400	0.0	0.0	0.0	0.0	9.86E-08	5.80E-07
4	2	34	33	6185.32		4148.73		0.0400	0.0	0.0	7.51E-07	6.31E-06	2.07E-05	4.26E-05
ž	õ	23	24	1151.37		4148.78	2.4103	0.0412	1.47E-03	1.15E-02	1.86E-02	2.10F-02	2.06E~02	1.90E-02
•	3	85	24	19388.37		4148.92	2.4103	0.040C	0.0	0.0	0.0	0.0	3.666-08	6.23E-07
3	ī	10	9	2259.98		4149.04	2.4102	0.0547	1.155-07	1.286-05	5.04E-05	8.61E-05	1.13E-04	1.24E-04
5	ā	15	14	6742.87		4149.36	2.4100	C.0517	0.0	1.39E-07	1.96E-05	2.07E-04	7.75E~04	1.756-03
4	2	69	68	12513.40		4149.59	2.4099	0.0400	0.0	0.0	0.0	0.0	1.22E-07	6.89E-07
4	2	35	34	6307.19	2	4149.97	2.4097	0.0400	0.0	0.0	6.40E-07	5.65E-06	1.91E-05	4.00E-05
4	2		100	22'695.13		4150.04	2.4056	0.0400	0.0	0.0	0.0	0.0	0.0	3+52E-08
4	2	c	1	4263.83	ī	4150.6C	2.4093	0.0769	0.0	1.90F-06	3.71E-05	1.45E~04	3.00E-04	4.56E-04
4	2	68	67	12274.96		4150.8C	2.4092	0.0400	0.0	0.0	0.0	1.06E-08	1.50E-07	8.16E-07
3	1	53	92	17269.87		4151.12	2.4090	0.0400	0.0	0.0	0.0	C.O	0.0	1.21E-08
4	2	36	35	6432.60		4151.14	2.4090	0.0400	0.0	0.0	5.43E-07	5.03E-06	1.75E-05	3.756-05
5	3	84	E3	19088.83		4151.65	2.4087	0.0400	0.0	0.0	0.0	0.0	4.79E-08	7.77F-07
2	ō	3	4	36.76		4151.72	2.4086	0.0676	5.95E-04	3.22F-04	2 . 1 4E-04	1.54E-04	1.15E-04	8.B9E~05
4	2	67	66	12039.83		4151.95	2.4085	0.0400	0.0	0.0	0.0	1.37E-08	1.83E-07	9.63E-07
5	3	16	15	6798.89		4151.96	2.4085	C+0505	0.0	1.30E-07	1.93E-05	2.07E-04	7.88E-04	1.79F-03
3	1	11		2296.39		4151.96	2.4085	C.0545	1.07E-07	1.305-05	5.26E-05	9.34E-05	1.20E-04	1.33E-04
3	_	12	13	2489.80		4152.20	2.4084	0.0540	4.17F-06	8.09F-04	3.83F-03	7.36E-03	9.96E-03	1.14E-02
	1	37		6561.53		4152.24	2.4083	0.0400	0.0	0.0	4.57E-07	4.46E-06	1.60E-05	3.50E-05
4	2		36			4153.01	2.4079	0.0400	0.0	0.0	0.0	1.785-08	2.24E-07	1.13E-06
4	2	33 3E	65 37	11868.00		4153.01	2.4077	0.0400	0.0	0.0	3.82E-07	3.938-0€	1.46E-05	3.26E-05
4	_							C.0400	0.0	0.0	0.0	2.286-08	2.73F-07	1.33F-06
4	2	65	64	11579.50		4154.01	2.4C73 2.4073	0.0400	0.0	0.0	0.0	0.0	0.0	4.59F-08
4	S	100	99	22342.30		4154.07		0.0400	0.0	0.0	0.0	0.0	0.0	1.536-08
2	1	92	91	16952.23		4154.14	2.4072 2.4072	0.0423	2.20E-03	1.386-02	2.08E-02	2.26F-02	2.176-02	1.97E-02
2	C	22		1059.42		4154.19			0.0	0.0	3.18F-07	3.45E-06	1.325-05	3.02E-05
'4	2	39	38	6829.95		4154.23	2.4072	0.0400		0.0	0.0	0.0	6.25E-08	9.68E-07
5	3	23	82	18792.51		4154.3C	2.4071	0.0400	0.0	1.20F-07	1.876-05	2.06E-04	7.955-04	1.83F-03
5	3	17		6656.63		4154.49	2.4070	0.0493	0.0	1.30E-05	5.42E-05	9.77F-05	1.275-04	1.42E-04
3	1	12	11	2336.44		4154.81	2.4668	0.0542	9.66E-08		0.0	2.92F-08	3.31E-07	1.56E-06
4	2	64	56	11354.33		4154.93	2.4068	0.040C	0.0	0.0	2.635-07	3.02F-06	1.19E-05	2.79E-05
4	2	40	39	6969.43		4155.12	2.4067	0.0400	0.0	0.0			8.825-05	6.78E-05
2	G	2	3	22.06		4155.6C	2.4064	0.0707	4.81F-04	2.51E-04	1.65E-C4	t • 1 8E - 04 3 • 73E - 08	4.00E-07	1.82E-06
4	.5	63	62	11132.49		4155.77	2.4063	0.0400	0.0	0.0	0.0		1.07E-05	2.56E-05
4	2	41		7112.42		4155.94	2.4062	0.0400	0.0	0.0	2.16F-07	2.62E-06		2.30E=05
4	2	€2	61	10914.00		4156.55	2.4058	0.0400	0.0	0.0	0.0	4.73E-08	4.82E-07	2.35F-05
4	2			7258.90		4156.69	2.4056	0.040C	0.0	0.0	1.76E-07	2.27E-06	9.61E~06	1.10F-02
3	1	1 ?	12	2440.32	1	4156.84	2.4057	0.0542	4.91E-06	8.45E-04	3.84E-03	7.246-03	9.69E-03	10105-02

νü	٧Ł	าน	JL	LCWER State	CODE	WAVE NUMBER	WAVE Length	Î HALF WIDTH	******	** INTEGRATI	ED ** ABSOR	PTICN ** COE	EFFICIENT *	*****
				ENERGY		C#-1	MICRON	N2	00E = T	T = 600	T. = 900	T = 1200	τ ≕ 1500 ື	T = 1800
Ę	3	82	81	18499.43	1	4156.86	2.4057	0.0400	0.0	0.0	0.0	0.0	8.135-08	1.20E-06
5	3	18	17	6922.10	1	4156.95	2.4056	0.0482	C · C	1.10E-07	1.80E-C5	2.C3E-04	7.97E-04	1.85E~03
3	1	51	9¢	16637.68	2	4157.07	2.4055	0.0400	0.0	0.0	0.0	0.0	0.0	1.93E~08
4	2	61	60	16698.87	2	4157.24	2.4054	0.0400	0.0	0.0	0.0	5.98E-08	5.78E-07	2-45E-06
4	2	43	42	7408.88	2	4157.36	2.4054	0.0400	0.0	0.0	1.43E-07	1.95E-06	8.58E-06	2.15E-05
3	1	13	12	2380.12	2	4157.59	2.4052	0.0540	8.54E-08	1.27E-05	5.5CE~05	1.C1E-04	1.33E~04	1.49E-04
4	2	60	59	10487.10		4157.87	2.4051	0.0400	0.0	0.0	0.0	7.52E-08	6.91E-07	2.83E-06
4	2	44	43	7562.35	2	4157.97	2.4050	0.0400	0.0	0.0	1.1SE-07	1.678-06	7.63E-06	1.96E-05
4	2	99	98	21992.52		4158.01	2.4050	0.0400	0.C	0.0	0.0	0.0		
4	2	1	0	4260.05	1	4158.08	2.4050	0.0769	0.0	1.94F-06	3.78E-05	1.47E-04	0.0 3.05E-04	_5.97E-08
4	2	59	58	10278.70		4158.42	2.4048	0.0400	0.0	0.0	0.0	9.44E-08	8.26E-07	4.62E-04
4	2	45	44	7719.30		4158.5C	2.4647	0.0400	C.C	0.0	9.20E-08			3.27E-06
4	2	58	57	10072.68		4158.9C	2.4045	0.0400	0.0	0.0	0.0	1.43E-06 1.18E-07	6.75E-06	1.78E-05
4	2	46	45	7879.72		4158.97	2.4044	0.0400	0.0	0.0	7.325-08		9.835-07	3.77E-06
4	2	57	56	9872.04		4159.3C	2.4043	0.0400	0.0	0.0	0.0	1.21E-06 1.47E-07	5.95E-06	1.61E-05
5	3	61	eс	16209.59	1	4159.34	2.4042	0.0400	0.0	0.0	0.0	0.0	1.17E-06 1.05E-07	4.33E-06
5	3	19	10	6989.28	1	4159.34	2.4042	0.0470	0.0	9.94E-08	1.725-05	1.99E-04	7.93E-04	1.49E-06
4	2	47	46	8043.62		4159.36	2.4042	0.0400	0.0	0.0	5.79E-08	1.02E-06	5.236-06	1.86E-03
2	0	1	2	11.03		4159.40	2.4042	0.0738	3.40E-G4	1.73E-04	1.12E-04	8.01F-05	5.97E-05	1.45E-05
2	0	21	22	971.28	1	4159.54	2.4041	0.0435	3.22F-03	1.64E-02	2.30E-02	2.41E-02	2+276-02	_ 4.58E-05
4	2	56	55	9673.80	2	4159.63	2.4041	0.0400	0.0	0.0	0.0	1.82E-07	1.38E-06	2.03E-02 4.95E-06
4	2	48	47	6210.98	2	4159.68	2.4040	0.0400	0.0	0.0	4.55E-08	8.595-07		
4	2	65	54	9478.96	2	4159.89	2.4039	0.0400	0.0	0.0	0.0	2.24E-07	4.58E-06 1.62E-06	1.30F-05
4	2	45	48	8381.80	2	4159.92	2.4039	C.040C	0.0	0.0	3.56E-08	7.19E-07	3.99E-06	5.65E-06 1.17E-05
3	1	SC	89	16326.21	2	4159.93	2.4039	G.040G	0.0	0.0	0.0	0.0	0.0	2.42E-08
4	2	54	53	9287.54	2	4160.08	2.4038	0.0400	0.0	0.0	0.0	2.76E-07	1.90E-06	6.43E-06
4	2	50	49	8556.07	2	4160.1C	2.4038	0.0400	0.0	0.0	2.77E-08	5.95E-07	3.47E-06	1.04E-05
4	8	53	52	9099.53	2	4160.19	2.4037	C.0400	0.0	0.0	1.256-08	3.37E-07	2.22E-06	7.29E-06
4.	2	51	50	£733.79	2	4160.2C	2.4037	C+0400	0.0	0.0	2-14E-08	4.97E-07	3.00E-06	9.29E-06
4	2	52	51	8914.94	2	4160.23	2.4037	0.0400	0.0	0.0	1.64E-08	4.10E-07	2.59E-06	8.24E-06
3	1-	14	13	2427.44	2	4160.31	2.4037	0.0528	7.376-08	1.235-05	5.53E-05	1.03F-04	1.38E-04	1.55E-04
3	1	10	11	2394.64	1	4161.41	2.4030	0.0545	5.63E-06	8.69E-04	3.81E-03	7.05F-03	9.33E-03	1.056-02
5	3	20	19	7060.17	1	4161.65	2.4029	0.0458	0.0	8.87E-08	1.62E-05	1 • 94E-04	7.84E-04	1.86E-03
4	2	2	1	4263.83	1	4161.71	2.4029	0.0738	0.0	3.87E-C6	7.56E-05	2.956-04	6.11E-04	9.28E-04
٤	3	εc	79	17923.02	1	4161.74	2.4028	0-0400	0.0	0.0	0.0	0.0	136E-07	1.84E-06
4-	2	98	97	21645.80	1	4161.87	2.4028	0.0400	0.0	0.0	0.0	0.0	0.0	7.74E-08
3	1	29	8€	16017.84	2	4162.70	2.4023	0.0400	0.0	0.0	0.0	0.0	0.0	3.05E-08
3	1	15	14	2478.38	2	4162.95	2.4021	C-0517	6.22E-08	1.176-05	5.49E-05	1.05E-04	1.41E-04	1.61E-04
2	C	С	1	3.68	2	4163.14	2.4020	0.0769	1.77F-04	8.83E-05	5.71E-05	4.06E-05	3.02E~05	2.32E-05
5	3	21	20	7134.78	1	4163.89	2.4016	C.0447	0.0	7.83E-C8	1.52E-05	1.87E-04	7.70E-04	1.85E-03
5	3	79	78	17639.71	1	4164.06	2.4015	C.040C	0.0	0.0	0.0	0.0	1.755-07	2.26E-06
2	0	20	21	886.95	1	4164.83	2.4C11	C.0447	4.63E-03	1.92F-02	2.53E-02	2.56E-02	2.365-02	2.09E-02
4	2	3	2	4271.38	1	4165.28	2.4008	0.0707	0.0	5.73E-06	1.135-04	4 . 42E-04	9.16F-04	1.39E-03
3	1	88	87	15712.59	2	4165.41	2.4007	0.0400	0.0	0.0	0.0	0.0	0.0	3.83E-08
3	1	16	15	2532.96	2	4165.53	2.4007	0.0505	5.14E-08	1.10E-05	5.40E-05	1.05E-04	1.44E~04	1.65E-04
4	5	97	96	21202.14	1	4165.65	2.4006	0.0400	0.0	0.0	0.0	0.0	0.0	1.00E-07
3	1	9	10	2352.76	1	4165.92	2.4004	0.0547	6.29E-06	8.78E-04	3.72E-03	6.77E-03	8.87E-03	9.92E-03
5	3	22	21	7213.10	1	4166.05	2.4004	C.0435	0.0	6.84E-C8	1.41E-05	1.79E-04	7.53E-04	1.83E-03
5	2	7€	77	17359.69	1	4166.3C	2.4002	0.0400	0.0	0.0	0.0	0.0	2.25E-07	2.77E-06
3	1	27	86	1541C.46	2	4168.03	2.3992	C • 0 4 C C	0.0	0.0	0.0	0.0	0.0	4.79E-08
3	1	17	16	2591.10	2	4168.05	2.3992	0.0493	4.15E-08	1.03E-05	5.26E-05	1.05E-04	1 - 45E-04	1+69E-04
5	3	23	22	7295.12	1	4160.15	2.3991	0.0423	0.0	5.90E-08	1.30E-05	1.71E-04	7.31E-04	1.80E-03
5	2	77	76	17082.96	1	4168.46	2.3990	0.0400	0.0	0.0	0.0	0.0	2.885-07	3.39E-06

٧u	٧Ł	JU	JĻ	LOWER State	CODE	WAVE	WAVE	HALF WIDTH	******	** INTEGRATÎ			EFFICIENT *	*****
				_			LENGTH		T - 700	T C00 .	. CH-2‡.	T = 1200	 T = 1500	T = 1800
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	1 = 900	1 = 1200	1 = 1500	1 = 1800
														*
4	2	4	3	4282.70	1	4168.77	2.3988	0.0676	0.0	7.49E-06	1.48E-04	5.84E-04	1-22E-03	1.85E-03
4	2	96	95	20961.57	1	4169.34	2.3985	C.0400	0.0	0.0	0.0	0.0	0.0	1.29E-07
2	a	19	20	806.42	1	4170.04	2.3981	0.0458	6.53E-03	2.24E-02	2.75E-02	2.70E-02	2.44E-02	2.13E-02
5	3	24	23	7380.84	1	4170.17	2.3980	0.0412	0.0	5.04E-08	1.19E-05	1.62E-04	7.07E-04	1.77E-03
3	1	8	9	2314.69	1	4170.35	2.3979	0.0550	6.82E-06	8.70E-04	3.58E-03	6.41E-03	8.32E-03	9.25E-03
2	0	1	0	-0.0	2	4170.43	2.3978	0.0769	1.82E-04	9.01E-05	5.81E-05	4 • 1 2E~05	3.07E-05	2.35E-05
3	1	18	17	2652.99	2	4170.49	2.3978	0.0482	3.29E-08	9.42E-06	5.07E-05	1 . 04E-04	1.46E-04	1.71E-04
5	3	7€	75	16809.55	1	4170.53	2.3978	0.0400	0.0	0.0	0.0	0 • 0	3.67E-07	4.14E-06
3	1	8€	85	15111.48	2	4170.58	2.3577	C.040G	0.0	0.0	0 - 0	0.0	0.0	5.97E-08
3	1	109	108	23714.48	1	4171.20	2.3974	0.0400	0.0	0.0	0.0	0.0	0.0	8.86E-09
5	3	25	24	7470.27	1	4172.11	2.3969	G • 0 4 0 0	0.0	4.26E-08	1.08E-05	1.52E-04	6.79E-04	1.72E-03
4	2	5	4	4257.80	1	4172.19	2.3968	0.0645	0.0	9.08E-06	1.82E-04	7.22E-04	1.51E-03	E0-30E-03
5	3	75	74	16539.45	1	4172452	2.3966	0.0400	0.0	0.0	_0.0	1.19E-08	4.66E-07	5.04E-06
3	1	19	18	2718.44	2	4172.87	2.3964	0.0470	2.55F~08	8.55E~C6	4 • 85E~05	1.02E-04	1.45E-04	1.72E-04
4	2	95	94	20624.10	i	4172.95	2.3964	C.0400	0.0	0.0	_0.0	0.0	. 0.0	1.66E-07
3	1	85	84	14815.63	2	4173.05	2.3963	0.0400	0.0	0.0	0.0	0.0	0.0	7.43E-08
2	0	2	1	3.68	2	4173.98	2.3958	0.0738	3.60E-04	1.80E-04	1.16E-04	6.26E-05	6.15E-05	4.72E-05
5	3	2€	25	7563.39	1	4173.99	2.3958	0.0400	0.0	3.56E-08	9.73E-06	1.42E-04	6.49E-04	1.67E-03
5	3	74	72	16272.68	1	4174.44	2.3955	0.0400	0.0	0.0	0.0	1.60E-08	5.91E-07	6-11E-06
3	1	7	8	2220.41	1	4174.71	2.3954	0.0574	7.18E-06	8.43E-04	3.38E-03	5.97E-03	7.68E-03	8.50E-03
3	1	`20	19	2787.51	2	4175.18	2,3951	0.0458	1.94E-08	7.67E-06	4.59E-05	9.93E-05	1.44E-04	1.72E-04
2	0	16	19	729.71	1	4175.19	2.3951	0.0470	9.01E-03	2.57E-02	2.97E-02	2.83E-02	2.51E-02	2.17E-02
3	1	84	83	14522.95		4175.45	2.3950	0.0400	0.0	0.0	0.0	0.0	1.186-08	9.236-08
4	2	6	5	4316.68	1	4175.55	2.3949	0.0621	0.0	1.05E-05	2.145-04	8.52E-04	1.79E-03	2.74E-03
5	3	27	26	7660.20	1	4175.79	2.3948	0.0400	0.0	2.95E-08	8.70E-06	1.32E-04	6.18E~04	1.61E-03
3	1	108	107	23334.10	1	4175.87	2.3947	0.0400	0.0	0.0	0.0	0.0	0.0	1.18E-08
5	3	73	72	16009.24	1	4176.27	2.3945	0.0400	0.0	0.0	0.0	2.15E-08	7.45E-07	7.40E-06
4	2	94	93	20289.75	1	4176.47	2.3944	G.0400	0.0	0.0	0.0	0.0	1.08E-08	2.13E-07
3	1	21	20	26€0.19	2	4177.42	2.3938	0.0447	1.44E-08	6.80E-06	4.32E-05	9.61E-05	1.42E-04	1.72E-04
2	C	3	2	11.03	2	4177.45	2.3938	0.0707	5.25E-04	2.67E-04	1.74E-04	1.24E-04	9.22E-05	7.08E-05
5	3	88	27	7760.70	1	4177.51	2.3938	0.0400	0.0	2.42E-08	7.72E-06	1.22E-04	5.85E~04	1.55E-03
3	1	83	82	14233,45	2	4177.76	2.3936	0.0400	0.0	0.0	0.0	0.0	1.53E-08	1.14E-07
5	3	72	71	15749.16	1	4178.02	2.3935	0.0400	0.0	0.0	0 • ŭ	2.88E-08	9.37E-07	8.92E-06
4	2	7	6	4339.32	1	4178.83	2.3930	0.0597	0.0	1.17E-05	2.42E-04	9.73E-04	2.05E-03	3.16E~03
3	1	£	7	2249.94		4179.01	2.3929	0.0597	7.31E-06	7.98E-04	3.12E-03	5.44E-02	6•96E~03	7.65E-03
5	3	29	28	7864.89		4179.16	2.3928	0.0400	0.0	1.96E-08	6.81E-06	1 • 12E-04	5.51E-04	1.496-03
3	1	22	21	2936.50	2	4179.59	2.3926	C.0435	1.06E-08	5.97E-06	4.03E-05	9.245-05	1.39E-04	1.70E-04
5	3	71	70	15492.44		4179.69	2.3925	0.0400	0.0	0.0	0.0	3.84E-08	1.17E-06	1.07E-05
4	2	93	92	19958.52	1	4179.91	2.3524	0.0400	0.0	0.0	_0.0	0.0	1 • 46E-08	2.72E-07
3	1	82	81	13947.12		41F0.00	2.3923	0.0400	0.0	0.0	0.0	0.0	1.98E-08	1.41E-07
2	0	17	18	656.82		4180.27	2.3922	0.0482	1.22E-02	2.91E-02	3.18E-02	2.94E-02	2.56E-02	2.19E-02
3	1		106	22956.67		4180.46	2.3921	0.0400	0.0	0.0	0.0	0.0	0.0	1.57E-08
5	3	30	29	7972.75		4180.74	2.3919	0.0400	0.0	1.57E-08	_5.96E-06	1.02E-04	5.16E-04	1.42E-03
2	ζO,	4	3	22.06		4180.87	2.3918	0.0676	6.68E-04	3.48E-04	2.29E-04	1.64E-04	1.22E-04	9.42E-05
5	<u>, 3</u>	.70	69	15239.10	1	4181.28	2.3916	0.0400	0.0	0.0	_0.0	5.09E-08	1.47E-06	1 29E-05
3	1	23	22	3016.41	2	4181.7C	2.3914	0.0423	0 • Ö	5.18E-06	3.73E-05	8.82E-05	1.35E-04	1.68E-04
4	2	8	7	4365.74		4182.04	2.3912	0.0574	0.0	1.26E+05	2.67E-04	1.085-03	2.30E-03	3.55E-03
3	1	81	80	13663.99		4182.17	2.3911	0.0400	0.0	0.0	0.0	0.0	2.55E-08	1.74E-07
5	3	31	30	8084.29	1	4182.24	2.3911	0.0400	- 0.0	1.25E-08	5.19E-06	9.32E-05	4.83E-04	1,356-03
5	3	69	68	14989.13		4182.80	2.3907	0.0400	*0.0	0.0	0.0	6.725-08	1.82E-06	1.54E-05
,3	1	_ 5	6	2223.28		41 E3 • 24	2.3905	0.0621	7.15E-06	7.32E-04	2.80E-03	4.84E-03	6.15E-03	6.74E-03
4	2	92	91	19630.43		4183.27	2.3905	0.0400	0.0	0.0	0.0	0.0	1.96E-08	3-47E-07
5	3	32	_31_	8199.50	1	70.E314	2.3902	0.0400	0.0	0.0	4.48E-06	8.44E-05	4-49E-04	1.28E-03
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٧u	٧L	JŲ	JL	LCWER State	CODE	WAVE WAVE	WAVE LENGTH	HALF Width	*****	** INTEGRATE	ED ** ABSCRI		EFFICÍENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T := 1800
3	1	24	23	3099.94	2	4163.73	2.3902	0.0412	0.0	4.45E-06	3.42E-05	8.37E-05	1.31E-04	1.65E-04
2	O	5	4	36.76	2	4184.22	2.3899	0.0645	7.83E-04	4-23E-04	2.81E-04	2.02E-04	1.52E-04	1 - 17E-04
E	3	66	67	14742.56	1	4164.23	2.3899	0.0400	0.0	0.0	0.0	8.84E-08	2.26E-06	1.83E-05
3	1	80	79	13384.06	2	4184.26	2.3899	0.0400	0.0	0.0	0.0	0.0	3.27E-08	2.13E-07
3	1	106	105	22582.21	1	4184.97	2.3895	0.0400	0.0	0.0	0.0	0.0	0.0	2.09E-08
5	3	33	32	8318.38	1	4185.02	2.3895	0.0400	0.0	0.0	3.85E-06	7.60E-05	4.16E-04	i.21E-03
4	2	9	8	4395.93	1	4185.18	2.3894	C.0550	0.0	1.32E-05	2.87E-04	1.18E-03	2.53E-03	3.935-03
2	0	16	17	587.75		4185.28	2.3893	0.0493	1.61E-02	3.26E-02	3.37E-02	3.03E-02	2.60E-02	2.20E-02
5	3	67	66	14499.39	1	4185.58	2.3892	0-0400	0.0	0.0	0.0	1.16E-07	2.79E-06	2.18E-05
3	1	25	24	3167.07	2	4185.70	2.3891	0.0400	0.0	3.786-06	3.12E-05	7.90E-05	1.26E~04	1.61E-04
3	1	79	78	13107.35	2	4186.27	2.3888	6.0400	0.0	0.0	0.0	0.0	4.18E-08	2.61E-07
5	3	34	33	8440.93	1	4186.30	2.3887	0.0400	0.0	0.0	3.28E-06	6.81E-05	3.84E-04	1.14E-03
4	2	91	90	19305.50	1	4186.54	2.3886	0.0400	0.0	0.0	0.0	0.0	2.63E-08	4.42E-07
5	3	66	65	14259.63	1	4166.85	2.3884	0.0400	0.0	0.0	0.0	1.51E-07	3.44E-06	2.585-05
3	1	4	5	2200.42	1	4187.40	2.3881	0.0645	6.68E-06	6.48E-04	2.435-03	4.16E-03	5.26E-03	5.74E-03
2	0	б	5	55.14	2	4187.50	2.3861	0.0621	8.66E-04	4.89E-04	3.30E-04	2.39E-04	1.80E-04	1.39E-04
5	3	35	34	£567 . 12	1	4187.51	2.3881	0.0400	0.0	0.0	2.78E-06	6.07E-05	3.53E-04	1.07E-03
3	1	26	25	3277.86	2	4187.6C	2.3880 "		0.0	3.18E-06	2.82E-05	7.41E-05	1.21E-04	1.57E-04
٤	3	65	64	14023.30	1	4188.04	2.3878	0.0400	0.0	0.0	0.0	1.96E-07	4.22E-06	3.05E-05
3	1	78	77	12833.86	2	4188.21	2.3877	0.0400	0.0	0.0	0.0	0.0	5.34E-08	3.18E-07
4	2	10	g	4429.89	1	4188.25	2.3876	0.0547	0.0	1.36E-05	3.04E-04	1.27E-03	2.74E-03	4.27E-03
5	3	36	35	£696 . 97		4188.64	2.3874	0.0400	0.0	0.0	2.34E-06	5.38E-05	3.22E-04	9.95E-04
5	3	64	63	13790.39	1	4189.15	2.3871	0.0400	0.0	0.0	0.0	2.535-07	5.166-06	3.596-05
.3	1	105	104	22210.73	1	4189.39	2.3870	0.0408	0.0	0.0	0.0	0.0	0.0	2.76E-08
3	1	27	2,6	3372.13		4189.43	2.3670	0.0400	0.0	2.65E-06	2.53E-05	6.91E-05	1 - 15E-04	1.526-04
5	3	37	36	£830.47		4189.69	2.3868	0.0400	0.0	0.0	1.96E-06	4.74E-05	2.94E-04	9.25E-04
4	2	90	89	18983.73	1	4189.73	3935.5	C.0400	0.0	0.0	0.0	0.0	3.51E-08	5.60E-07
3	1	77	76	12563.62	2	4190.07	2.3866	0.0400	0.0	0.0	0.0	0.0	6.78E-08	3.88E-07
Ę	3	63	62	13560.93	1	4190.19	2.3865	0.0400	0.0	0.0	0.0	3.26E-07	6.28E-06	4.21E-05
2	C	15	16	522.50	1	4190.23	2.3665	C-0505	2.08E-02	3.616-02	3.54E-02	3.10E-02	2.62E-02	2.19E-02
5	3	3 5	37	8967.61	1	4190.67	2.3863	0.0400	0.0	0.0	1.62E-06	4.16E-05	2.66E-04	8.57E-04
2	0	7	£	77.19		4190.71	2.3862	0.0597	9.14E-04	5.446-04	3.74E-04	2.73E-04	2.07E-04	1.61E-04
5	3	62	61	13334.93		4191-14	2.3860	0.0400	0.0	0.0	0.0	4.18E-07	7.62E-Ó6	4.93E-05
3	1	28	27	3470.06	2	4191.19	2.3860	0.0400	0.0	2.18E-06	2.266-05	6.40E-05	1.096-04	1.46E-04
4	2	11	10	4467.62		4191.25	2.3859	0.0545	0.0	1.38E-05	3.17E-04	1.34E-03	2.92E-03	4.59E-03
3	1	3	4	2181.37		4191.48	2.3858	0.0676	5.89F-06	5.455-04	2.02E-03	3.43E-03	4.31E-03	4.69E-03
5	3	35	36	9100.38		4191.57	2.3857	0.0400	0.0	0.0	1.34E-06	3.63E-05	2.40E-04	7.91E-04
3	1	76	75	12296.62		4191.86	2.3856	0.0400	0.0	0.0	0.0	à•0	8.596-08	4.70E-07
5	3	61	60	13112.37		4192.01	2.3855	0.0460	0.0	0.0	0.0	5.32E-07	9.21E-06	5.756-05
5	3	40	39	9252.79		4192.40	2.3853	0.0400	0.0	0.0	1.10E-06	3.15E-05	2.16F-04	7.28E-04
5	3	60	59	12893.29		4192.81	2.3850	0.0400	0.0	0.0	0.0	6.76E-07	1.11E-05	6.69E-05
4	2	89	88	18665.15		4192.84	2.3850	0.0400	0.0	0.0	0.0	0.0	4.68E-08	7:11E-07
3	1	25	28	3571.58		4192.88	2.3850	0.0400	0.0	1.78E-C6	2.00E-05	5.90E-05	1.03E-04	1 • 4 OE-04
5	3	41	40	9400.82		4193.15	2.3646	0.0400	0.0	0.0	8.94E-07	2.72F-05	1.93E-04	6.67E-04
5	3	59	58	12677.69		4193.53	2.3846	0.0400	0.0	0.0	0.0	8.56E-07	1.336-05	7.78E-05
3	1	75	74	12032.87		4193.57	2.3846	0.0400	0.0	0.0	0.0	0.0	1.08E-07	5.69E-07
3	1	104	103	21842.26		4193.72	2.3845	0.0400	0.0	0.0	0.0	0.0	0.0	3.65E-08
5	3	42	41	9552.46		4193.82	2.3845	0.0400	0.0	0.0	7.23E-07	2.34E-05	1.72E-04	6.09E-04
s	0	. 8	. 7	102.91		4193.86	2.3844	0.0574	9.30E-04	5.88E-04	4.12E-04	3.05E-04	2.32E-04	1.81E-04
4	2	12	11	4509.11	1	4194.17	2.3843	0.0542	0.0	1.376-05	3.26E-04	1.40E-03	3.08E-03	4.87E-03
5	3	58	57	12465.57		4194.17	2.3843	0.0400	0.0	0.0	1.04E-08	1.08E-06	1.60E-05	9.01E-05
5	3	43	42	9707.73		4194-42	2.3841	0.0400	0.0	0.0	5.E1E-07	2.00E-05	1.53E-04	5.54E-04
3	1	30	29	3676.69	2	4194.50	2.3841	0.0400	0.0	1.44E-06	1.76E-05	5.41E-05	9.72E-05	1.34E-04

~- ý (บ	VL .	Jυ	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WICTH		** INTEGRATE	D ** ABSOR		EFFICIENT *:	*****
					ENERGY		CM-1	MICRON	N2	= 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
	5	3	57	56	12256.95	1	4154.73	2.3839	0.0400	0.0	0.0	1.42E-08	1.35E-06	1.91E-05	1.04E-04
,	5	3	44	43	9866.59	1	4194.94	2.3838	0.0400	0.0	0.0	4.64E-07	1.70E-05	1.35E-04	5.03E-04
;	2	¢	14	15.	461.08	1	4195.11	2.3637	0.0517	2.63E-02	3.94E-02	3.68E-02	3.15E-02	2.62E-02	2.17E-02
:	3	1	74	73	11772.40	2	4195.20	2.3837	0.0400	0.0	0.0	0.0	1.09E-08	1.36E-07	6.87E-07
•	5	3	56	55	12051.84	1	4195.21	2.3637	0.0400	0.0	0.0	1.93E-08	1.69E-06	2.27E-05	1.20E-04
	2	0	96	95	16254.18	2	4195.25	2.3636	0.0400	0.0	0.0	0.0	0.0	0.0	9.25E-09
9	5	3	45	44	10029.06	1	4195.39	2.3836	0.0400	0.0	0.0	3.68E-07	1 - 44E-05	1.19E-04	4.54E-04
	3	1	2	Э	2166.13	1	4195.50	2.3835	0.0707	4.77E-06	4.26E-04	1.565-03	2.63E-03	3.29E-03	3.58E-03
	5	3	55	54	11850.23	1	4195.61	2.3834	0.0400	0.0	0.0	2.60E-08	2.11E-06	2.695-05	1.37E-04
:	5	3	4€	45	10195.12	1	4195.76	2.3834	0.0400	0.0	0.0	2.91E-07	1.21E-05	1.04E-04	4.09E-04
	4	2	88	87	16349.76	1	4195.87	2.3833	0.0400	0.0	0.0	0.0	0.0	6.23E-08	8.99E-07
:	5	3	54	53	11652.14	1	4195.94	2.3833	0.0400	0.0	0.0/	3.48E-08	2.61E-06	3.18E-05	1-57E-04
	5	3	47	46	10364.77	1	4196.05	2.3832	C-0400	0.0	0 • 0	2.28E-07	1.02E-05	9.12E-05	3.67E-04
:	3	1	31	30	3785.38	2	4196.05	2.3832	0.0400	0.0	1 - 15E-06	1.54E-05	4'.94E-05	9.12E-05	1.28E-04
	5	3	53	52	11457.59	1	4156.19	2.3831	0.04,00	0.0	0.0	4.64E-08	3.21E-06	3.74E-05	1.79E-04
	5	3	4 8	47	10538.00	1	4196.27	2.3831	C.0400	0.0	0.0	1.77E-07	8.51E-06	7.94E-05	3.29E-04
	<u> </u>	3	52	51	11266.57	1	4196.36	2.3830	C.0400	0.0	0.0	6.14E-08	3.94E-06	4.38E-05	2.04E-04
	5	3	49	48	10714.80	1	4156.4C	2.3830	0.0400	0.0	0.0	1.37E-07	7.07E-06	6.88E-05	2.93E-04
	5	3	51	50	11079.09	1	4196.45	0E8E.S	0.0400	0.0	0.0	8.08E-08	4.81E-06	5.11E-05	2.31E-04
	5	3	50	49	10895.17	1	4196.47	2.3830	0.0400	0.0	0.0	1.06E-07	5.84E-06	5.94E-05	2.60E-04
	3	1	73	72	11515.21	2	4196.76	3.3856	,C.040G	0.0	0.0	0.0	1.45E-08	1.71E-07	8.27E-07
; ;	2	C	9	e	132.31	2	4196.94	2.3827	0.0550	9 • 1 4E-04	6.21E-04	4.45E-04	3.33E-04	2.56E-04	2.00E-04
	4	2	13	12	4554.37	1	4197.02	2.3826	0.0540	0.0	1.34E-05	3.30E-04	1.456-03	3.22E-03	5.12E-03
	3	1	32	31	3897.66	2	4197.53	2.3824	0.0400	0.0	9.17E-07	1.33E-05	4.49E-05	8.51E-05	1.22E-04
	3	İ	103		21476.80	1	4197.97	2.3821	0.0400	0.0	0.0	0.0	0.0	0.0	4.81E-08
	3	1	72	71	11261.30	2	4198.25	2.3819	0.0400	0.0	0.0	0.0	1.93E-08	2.146-07	9.92E-07
	2	G	95	94	15964.29	2	4198.46	2.3818	0.0400	0.0	0.0	0.0	0.0	0.0	1.18E-08
	4	2	87	86	18037.58	1	4198.81	2.3816	0.0400	. 0.0	0.0	0.0	0.0	8.26E-08	1.13E-06
	3	1	33	32	4013.51	2	4198.95	2.3815	0.0400	0.0	7.21E-07	1.15E-05	4.06E-05	7.91E-05	1 - 1 5E-04
	3	1	1	5	2154.70	1	4199.45	2.3813	0.0738	3.38E-06	2.93E-04	1.06E-03	1.79E~03	2.23E-03	E0-354.5
	3	1	71	70	11010.69	2	4199.66	2.3811	0.0400	0.0	0.0	0.0	2.55E-08	2.66E-07	1.19E-06
	•	2	14	13	4603.40	1	4199.81	2.3811	C.0528	0.0	1.29E-05	3.30E-04	1.48E-03	3.32E-03	5.33E-03
	2	0	13	14	403.48	1	4199.92	2.3610	0.0528	3.26E-02	4.24E-02	3.79E-02	3.16E-02	2.60E-02	2.13E-02
	5	¢	10	9	165.38	2	4199.96	2.3810	0.0547	8.72E-04	6.41E-04	4.72E-04	3.58E-04	2.77E-04	2.18E-04
	3	1	34	33	4132.93	2	4200.29	2.3808	0.0400	0.0	5.62F-07	9.87E-06	3.65E-05.	7.32E-05	1.09E-04
	3	1	70	69	10763.38	2	4200.99	2.3804	C.040C	0.0	0.0	0.0	3.36E-08	3.30E-07	1.42E-06
	3	1	35	34	4255.91	2	4201.56	2.3801)	0.0400	0.0	4.34E-07	8.416-06	3+27E-05	6.74E-05	1.02E-04
	2	0	94	93	15637.47	2	4201.60	2.3800	0.0400	0.0	0.0	0.0	0.0	0.0	1.51E-08
	à.	2	86	85	17728.62	1	4201.67	2.3800	0.040C	0.0	0.0	0.0	0.0	1.09E-07	1.43E-06
	3		102		21114.38	1	4202.14	2.3797	0.0400	0.0	0.0	0.0	0.0	0.0	6.31E-08
	3	1	69	68	10519.39	2	4202.25	2,3797	0.0400	0.0	0.0	0.0	4-41E-08	4.09E-07	1.68E-06
	}	2	15	14	4656.18	1	4202.52	2.3795	0.0517	0.0	1.22E-05	3.27E-04	1.50E-03	3.41E-03	5.51E-03
	3	1	36	35	4362.47	2	4202.76	2.3794	0.0400	0.0	3.32E-07	7.11E-06	2.91E-05	6.18E-05	9.56E-05
	2	0	11	1 C	202.12		4202.91	2.3793	0.6545	8.09E-04	6.50E-04	4.93E-04	3.79E-04	2.96E-04	2.34E-04
	3	1	0	1	2147.08	1	4203.33	2.3791	0.0769	1.76E-06	1.50E-C4	5.40E-04	9.05E-04	1.13E-03	1.22E-03
	3	1	83	67	10278.73	2	4203.44	2.3790	0.0400	0.0	0.0	0.0	5.76E-08	5.04E-07	8.00E-06
	1	1	37	36	4512.58	2	42C3.90	2.3787	0.0400	0+0	2.51E-07	5.98E-06	2.57E-05	5.652-05	8.91E-05
	}	2	85	84	17422.89	1	4204.45	2.3784	0.0400	0.0	0.0	0.0	0.0	1.445-07	1.79E-06
	3	1	67	66	10041.41	2	4204.55	2.3784	0.0400	0.0	0.0	0.0	7•49E-08	6-19E-07	2.36E-06
	2	0	12	13	349.72	1	4204.66	2.3783	0.0540	3.936-02	4.51E-02	3.85E-02	3.15E-02	2.558-02	2.07E-02
	2	G	53	92	15313.73	2	4204.66	2.3783	0.0400	0.0	0.0	0.0	0.0	0.0	1.91E-08
	3	1	38	37	4646.24	2	4204.96	2.3781	0.0400	0.0	1.89E-07	4.99E-06	2.27E-05	5.14E-05	8.28E-05
•	4	2	16	15	4712.73	1	4205.15	2.3780	0.0505	0.0	1.15E-05	3.21E-04	1.500-03	3.46E-03	5.65E-03

VU	VL	JU	JL	LOWER State	CODÈ	WAVE NUMBER	WAVE LENGTH	HALE WIDTH	*****	** INTEGRATE	ED ** ABSGR CM-2*	PTION ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
•					•	•	-	• •			-	-		
. 3	_ 1	6.6	65	9807.43	2	4205.58	2.3778	0.0400	0.0	0.0	0.0	9.69E-08	7.576-07	2.79E-06
2	0	12	11	242.53	2	4205.79	2.3777	0.0542	7.31E-04	6.47E-04	5.07E-04	3.96E-04	3.12E-04	2.49E-04
3	1		38	4783.45	2	4205.95	2.3776	0.0400	0.0	1.40F-07	4.14E-06	1.998-05	4.66E-05	7.67E-05
3		101	100	20755.00	1	4206.22	2.3774	0.0400	0:0	0.0	0.0	0.0	0.0	0.27E-08
.3	1	65	64	9576.80	2	4206.55	2.3772	0.0400	. 0.0	0.0	.0.0	1.25E-07	9.24E-07	. 3 <u>.</u> 27E-06
3	1	40	39	4924.21	2	4206.87	2.3771	0.0400	0.0	1.03E-07	3.41E-06	1.73E-05	4.20E-05	7.08E-05
4	2		E8	17120.41	1	4207.14	2.3769	0.0400	0.0	0.0	0.0	0.0	1.89E-07	2.24E-06
3	1	_	63	9349.53		4207.43	2.3767	0.0400	0.0	0.0	0.0	1.60E-07	1.12E~06	3.84E-06
2	0	92	91	14993.09		4207.64	2:3766	.0.0400	0.0	0.0	0.0	0.0	0.0	2.43E-08
4 3	2		16	4773.03	_	4207.72	2.3766	0.0493	0.0	1.06E-05	3.11E-04	1.49E-03	3.49E-03	5.75E-03
3	1	41 63	40 62	5068.50		4207.72	2.3766	0.0400	0.0	7.54E-08	2.80E-06	1.50E-05	3.77E-05	6.51E-05
3	1		41	9125-64		4208.25	2.3763	0.0400	0.0	0.0	0.0	2.05E-07	1.36E-06	4.48E-06
2	1		12	5216.33 286.60		4208.50 4208.60	2.3761 2.3761	0.0400	0.0	5.45E-08	2.28E-06	1.30E-05	3.38E-05	5.96E-05
3	1		61	8905-12		4208.99	2.3759	0.0540 0.0400	6.45E-04	6.35E-04	5-15E-04	4 - 10E-04	3.26E-04	2.625-04
3	1		42	5367.68	_	4209.21	2.3757	0.0400	0.0	0.0 3.91E-08	1.05E-08 1.84E-06	2.61E-07 1.12E-05	1.64E-06 3.01E-05	5.22E-06 5.44E-05
2	â		12	299.78		4209.33	2.3757	0.0542	4.64E-02	4.71E-02	3.87E-02	3.10E-02	2.49E-02	2.00E~02
3	ĭ		60	8687.99		4209.66	2.3755	0.0400	0.0	0.0	1.44E-08	3.30E~07	1.975-06	6.07E-06
4	2		82	16821.19		4209.75	2.3754	0.0400	0.0	0.0	0.0	0.0	2.47E-07	2.80E-06
3	1		43	5522.55		4209.85	2.3754	0.0400	0.0	2.78E-C8	1.48E-06	9.55E-06	2.67E-05	4.95E-05
_4	. 2		17	4837.09		4210.21	2.3752	0.0482	0.0	9.68F-06	2.99E-04	1.47E-03	3.495-03	5.82E-03
3	' ī		99	20398,68		4210.22	2.3752	0.0408	0.0	0.0	0.0	0.0	0.0	1.08E-07
3	1	60	59	8474.25		4210.25	2.3752	0.0400	0.0	0.0	1.98E-08	4.16E-07	2.36E-06	7.02E-06
3	1	45	44	5680.94		4210.41	2.3751	0.0400	0.0	1.96E-CE	1.18E-06	8.13E-06	2.36E-05	4.49E-05
2	O	91	90	14675.56	2	4210.54	2.3750	0.0400	0.0	0.0	0.0	0.0	0.0	3.07E-08
3	1	59	58	8263.93	2	4210.77	2.3749	0.0400	0.0	0.0	2.72E-08	5.24E-07	2.83E-06	8.12E-06
3	1	_ 1	C	2143.27	1	4210.88	2.3748	0.0769	1.81E-06	1.53E-04	5.49E-04	9.19E-04	1.15E-03	1.24E-03
3	1	46	45	5842.84	2	4210.91	2.3748	0.0400	0.0	1.36E-08	9.40F-07	6.89E-06	2.08E-05	4.06E-05
3	1	58	57	8057.01	2	4211.22	2.3746	0.0400	0.0	0.0	3.70E-08	6.56E-07	3.37E-06	9.37E-06
3	1	47	46	6008.24	2	4211.33	2.3745	0.0400	0.0	0.0	7.42E-07	5.81E-06	1.83E-05	3.66E-05
_2	. 0	14	13	334.34	2	4211.35	2.3745	0.0528	5.565-04	6.13E-04	5.17E-04	4 • 1 SF-04	3.38E-04	2.73E-04
3	1	57	56	7853.51		4211.59	2.3744	0.0400	0.0	0.0	5.00E-08	8.18E-07	4.00E-06	1.08E-05
3	1	48	47	6177.14	2	4211.68	2.3743	0.0400	0.0	0.0	5.82E-07	4.87E-06	1.60E-05	3.28E-05
3	, 1		55	7653.44		4211.89	2.3742	C.0400	0.0	0.0	6.73E-08	1.02E-06	4.74E-06	1.24E-05
3	1		48	6349.53		4211.96	2.3742	0.0400	0.0	0.0	4.54E-07	4.07F-06	1.39E-05	2.94E-05
3	1	\$5	54	7456.80		4212.12	2.3741	0.0400	0.0	0.0	8.99E-08	1.26E-06	5.59E-06	1.41E-05
 E	_ 1	_	49	6525.41		4212.17	2.3741	0.0400	0.0	0.0	3.52E-07	. 3.396-06	1.20E-05	2.62E-05
	1		53	7263.61		4212.27	2.3740	0.0400	0.0	0.0	1.20E-07	1.556-06	6.56E-06	1.61E-05
<u>4</u> .			e1	1.6525.24		4212.28	2-3740	0.0400				0.0	3.22E-07	3.48E-06
	1		50	6704.76		4212.3C	2.3740	0+0400	0.0	0.0	2.71E-07	S-80E-06	1.04E-05	2.33E-05
3	1		52 51	7073.87		4212.35	2.3740	0.0400	0.0	0.0	1.58E-07	1.89E-06	7.68E-06	1.83E-05
4	2		18	6887.58 4904.90		4212.36	2.3740	0.0400	0.0	0.0	2.08E-07	2.31E-06	8.96E-06	2.07E-05
2	0		89	14361.15		4212.63	2.3738	0.0470	0.0	_B.74E-06	2.85E-04	1.44E-03	3.48E-03	5.85E-03
2	ă	10	11.	253,68		4213.37 4213.94	2.3734 2.3731	0.0400	0.0 5.33E-02	0.0 4.85E-02	0.0 3.84E-02	0.0 3.02E-02	0.0	3.87E-08 1.91E-02
2	ā		i 4	365.75		4214.03	2.3730	0.0517	4.68E-04	5.84E-04	5.13E-04	4.25E-04	3.47E-04	2.83E-04
3	1		98	20045.44	_	4214.03	2.3730	0.0400	0.0	0.0	0.0	0.0	0.0	1.41E-07
3	1		. 1	2147.08		4214.55	2.3727	0.0738	3.58E-06	3.05E-04	1.10E-03	1.84F-03	2.30E-03	2.49E-03
4	2	_	80	16232.57		4214.73	2.3726	0.0400	0.0	0.0	0.0	1.15E-08	4.19E-07	4.31E-06
4	2		19	4976.46		4214.98	2.3725	0.0458	0.0	7.79E-06	2.69F-04	1.40E-03	3.44E-03	5.85E-03
2	õ		éé	14049.87	_	4216.11	2.3719	0.0400	0.0	0.0	0.0	0.0	0.0	4.88E-08
2	Č		15	440.81		4216.64	2.3716	0.0505	3.86E-04	5-49E-04	5.04E-04	4+27E-04	3.53E-04	2.90E-04
4	2		79	15943.20		4217.10	2.3713	0.0400	0.0	0.0	0.0	1.55E-08	5.43E-07	5.34E-06
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VÜ	٧L	JU	JL	LOWER STATE	CODE	*AVE NUMBER	WAVÉ LENGTH	HALF WICTH	******	** INTEGRAT	ED ** ABSOR C*-2*		EFFICIENT *	*****
				ENERGY		CM-1	MICRGN	N2 .	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
				LILLING		C14 1	MICHON	****	500	000		-		
4	2	21	20	5051.77		4217.25	2.3712	0.0447	0.0	6.86E-06	2.52E-04	1.35E-03	3.37E-03	5.81E-03
3	1	9.8	97	19695.29		4217∙9€	2.3708	0.0400	0.0	0.0	0.0	0.0	1.02E-08	1.83E-07
3	1	3	2	2154.70		4218.15	2.3767	0.0707	5.21E-06	4.53E-04	1.64E-03.	2.76E-03	3•44E~03 _	3.73E-03
2	C	111	110	22554.35		4218.23	2.3707	0.0400	0.0	0.0	0.0	0.0	0.0	7.69E-09
2	, 0	9	10	211.42		4218.48	2.3705	0.0547	5.96E-02	4.90E-02	3.75E-02	5.40E-05		1.81E-02
2	0	88	87	13741.75		4218.79	2.3703	0.0400	0.0	0+0	0.0	0.0	0.0	6.14E-08
2	0	17	16	499.54	2	4219.19	2.3701	0.0493	3.11E-04	5.1CE-04	4-91E-04		3.56E-04	2.96E-04
4	2	79 22	78 21	15657.13		4219.39	2.3700	0.0466	0.0	0.0	0.0	2.206-08	7.01E-07	6.58E-06 5.75E-03
4 2	0	2Z 87	86	5130.82 13436.77	_	4219.45	2.3700 2.3689	0.0435 C.04G0	0.0	5.98E-06 0.0	2.34E-04 0.0	1.29E <u>-0</u> 3	3.29E-03	7.69E~08
4	2	23	22	5213.61	1	4221.38 4221.58	2.3688	0.0423	0 • 0 0 • 0	5.16E-06	2.15E-04	1.236-03	3.20E-03	5.66E-03
4	2	78	77	15374.38	î	4221.59	2.3688	0.0400	0.0	0.0	0.0	3.03E-08	9.02E-07	8.10E-06
2	٥	18	17	561.92	_	4221.67	2.3687	0.0482	2.46E-04	4.68E-C4	4.73E-04	4.20E-04	3.58E-04	3.00E-04
3	1	4	Э.	2166.13	1	4221.68	2.3687	0.0676	6.62E-06	5.91E-04	2.16E-03	3.65E-03	4.57E-03	4.97E-03
3	1	57	96	19348.24	1	4221.70	2.3687	0.0400	0.0	0.0	0.0	0.0	1.40E-08	2.37E-07
2	a	8	9	172.99	1	4222.94	2.3680	0.0550	6.48E-02	4.86E-02	3.61E-02	2.75E-02	2.14E-02	1.69E-02
2	C	110	109	22164.27	1	4223.04	2.3680	0.0400	0.0	0.0	0.0	0.0	0.0	1.03E-08
4	2	24	23	5300.14	1	4223.64	2.3676	0.0412	0.0	4.39E-06	1.97E-04	1.16E-03	3.09E-03	5.54E-03
4	2	77	76	15094.96	1	4223.71	2.3676	0.0400	0.0	0.0	0.0	4.16E-08	1.16E-06	9.93E-06
2	G	86	85	13134.97	2	4223.90	2.3675	0.0400	0.0	0.0	0.0	0.0	1.54E-08	9.62E-08
2	0	18	18	627.96	2	4224.07	2.3674	0.0470	1.90E-04	4.24E-04	4.52E-04	4.12E-04	3.56E-04	3.02E-04
3	1	5	4	2181.37	1	4225.14	2.3668	0.0645	7.74E-06	7.17E-04	2.65E-03	4.50E-03	5.67E-03	6.17E-03
3	1	96	95	19004.32	1	4225.36	2.3667	0+0400	0.0	0.0	0.0	0.0	1.91E-08	3.07E-07
4	2	25	24	5390.41	1	4225.62	2.3665	C.0400	0.0	3.71E-06	1.78E-04	1.09E-03	2.97E-03	5.40E-03
4	2	76	75	14818.89	1	4225.75	2.3664	6.0400	0.0	0.0	0.0 _	5.68E-08	1.48E-06	1.21E-05
2	0	85	84	12836.35	2	4226.34	2.3661	0.0400	0.0	0.0	0.0	0.0	2.01E-08	1.20E-07
2	0	20 7	19	6\$7.65		4226.42	2.3661	0.0458 0.0574	1.44E-04 6.84E-02	3.79E-04 4.72E-02	4.28E-04 3.41E-02	_4.01E-04_	3.53E-04 1.97E-02	3.03E-04 1.55E-02
4	z	εé	25	128.40 5484.40	1	4227.35 4227.53	2.3655 2.3654	0.0400	0.0	3.09E-06	1.60E-04	2.56E-02 1.02E-03	2.83E-03	5.23E-03
4	2	75	74	14546.17	1	4227.72	2.3653	0.0400	0.0	0.0	0.0	7.72E-08	1.88E-06	1:40E-05
2	ō	109	108	21777-14	i	4227.77	2.3653	0.0400	0.0	0.0	0.0	0.0	0.0	1.39E-08
ž	ĭ	6	5	2200.42	1	4228.53	2.3649	0.0621	8.53E-06	8.27E-04	3.10E-03	5.32E-03	6.72E-03	7.34E-03
2	Ğ	21	20	771.00		4228.69	2.3648	0.0447	1.07E-04	3.36E-04	4.02E-04	3.88E-04	3.47E-04	3.01E-04
2	Ċ	84	83	12540.93	2	4228.70	2.3648	0.0400	0.0	0.0	0.0	0.0	2.62E-08	1.49E-07
3	1	95	94	18663.53	1	4228.93	2.3647	0.0400	0.0	0.0	0.0	0.0	2.61E-08	3.96E-07
4	2	27	26	5582.12	1	4229.36	2.3644	C.0400	0.0	2.55E-06	1.43E-04	9-47E-04	2.69E-03	5.05E-03
4	2	74	73	14276.81	1	4229.6C	2.3643	0.0400	0.0	0.0	0.0	1 • C4E-07	2.39E-06	1.80E-05
2	0	22	21	£47.99	2	4230.89	2.3636	C.0435	7.79E-05	2.94E-04	3.74E-04	3.73E-04	3.40E-04	2.98E-04
2	C	23	82	12248.70	2	4230.99	2.3635	0.0400	0.0 .	0.0	0.0	0.0	3.41E-08	1.85E-07
4	. 5	38	27	5683.57	1	4231.12	2.3634	0.0400	0.0	2.09E-06	1.27E-04	8.75E-04	2.55E-03	4.86E-03
4	2	73	72	14010.82		4231.39	2.3633	0.0480	0.0	0.0	0.0	1.41E-07	3.02E-06	2.18E-05
2	C	6	7	107.65	1	4231.68	2.3631	0.0597	6.97E-02	4.47E-02	3.15E-02	2.34E-02	1.79E-02	1.4CE-02
3	1	7	6	2223.28	1	4231.85	2.3630	0.0597	8.97E-06	9-19E-04_	3.51E-03	6.07E-03	_ 7.72E-03 _	8.46E-03
3	1	54	93	18325.89	1	4232.42	2.3627	0.0400	0.0	0.0	0.0	0+0	3.54E-08	5.09E-07
2	6	108	107	21392.98 5788.74	1	4232.42 4232.80	2.3627 2.3625	. 0.0400 C.0400	0.0	0.0 1.69E-06	0.0 1.12E-04	0.0 8.03E-04	0.0 2.40E-03	1.86E-08_ 4.65E-03
2	2	23	22	928.62	2	4233.03	2.3624	0.0400	5.56E-05	2.55E-04	3.46E-C4	3.56E-04	3.31E-04	2.94E-04
4	2	72	71	12748-23	1	4233.11	2.3624	0.0400	0.0	0.0	0.0	1.89E-07	3.81E-06	2.64E-05
2	ō	82	81	11959.70	2	4233.20	2.3623	0.0400	0.0	0.0	0.0	0.0	4.41E-08	2.29E-07
4	ž	30	29	5857.62	1	4234.42	2.3616	0.0400	0.0	1.35E-06	9.76E-05	7.32E-04	2.25E-03	4.43E-03
4	2	71	70	13489.02	ī	4234.75	2.3614	0.0400	0.0	0.0	0.0	2.53E-07	4.78E-06	3.18E-05
3	1	8	7	2249.94	1	4235.09	2.3612	0.0574	9.08E-06	9.91E-04	3.87E-03	6.76E-03	8.65E-03	9.52E-03
2	ō	24	23	1012.90		4235.10	2.3612	0.0412	3.90E-05	2.19E-C4	3.17E-C4	3.37E-04	3.20E-04	2.89E-04
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٧ť	٧L	Ju	JĿ	LOWER STATE	CODE	WAVE Numeef	WAVE LENGTH	HALF" WIDTH	*****	** INTEGRATE	TADSBA ** DE		FFICIENT **	****
				ENERGY		CM-1	MICRCA	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
											,			
2	С	81	80	11673.92	2	4235.33	2.3611	0.0400	0.0	0.0	0.0	0.0	5.70E-08	2.83E-07
2	1	93	92	17991.41	1	4235.83	2.3608	0.0400	0.0	0.0	0 • C	0.0	4.79E-08	6.53E-07
5	C	5	6	20.74	1	4235.94	2.3608	0.0621	6.83E-02	4.10E-02	2.83E-02	2.08E-02	1.58E-02	1.23E-02
4	2	31	30	6010.21	1	4235.95	2.3607	0.0400	0.0	1.075-06	8.48E-05	6.66E-04	2.10E-03	4.22E-03
4	2	7 C	69	13233.23	1	4236.31	2.36C5	0.0400	0.0	0.0	0.0	3.36E=07	5.99E-06	3.82E-05
2	C	107	10€	21011.81	1	4236.98	2.3602	0.0400	0.0	0.0	0.0	0+0	0.0	2.48E-08
2	С	25	24	1100.81	2	4237.10	2.3601	0.0490	2.68E-05	1.85E-04	2.89E-04	3.18E-04	3.08E-04	2.82E-04
2	0	5.0	79	11391.37		4237.39	2.3599	0.0400	0 • C	0.0	0.0	0.0	7.33E-08	3.48E-07
4	2	32	31	6126.50	1	4237.41	2.3599	0.0400	0.0	8.45E-07	7.325-05	6.02E-04	1.95E~03	3.996-03
4	2	69	99	12980.85	1	4237.79	2.3597	C+0400	0.0	0.0	0.0	4.456-07	7.47E-06	4.57E-05
3	1	9	9	2280.41	1	4238.27	2.3595	0.0550	8.88E-06	1.04E-03	4.17E-03	7.38E-03	9.51E-03	1.05E-02
4 2	2	33	32	6246.50		4238.80	2.3592	0.0400	0.0	6.58E-07	6.28E-05	5.42E-04	1.816-03	3.77E-03
3	1	2 E	25 91	1192.36		4239.03	2.3590	0.0400	1.80E-05	1.56E-04	2.61E-C4	2-98E-04	2.95E-04	2.74E-04
4	5.		67	17660-10		4239.16	2.3590	0.0400	0.0	0.0	0.0	0.0	6.45E-08	8.35E-07
2	ő	75	78	12731.96		4239.16	2.3569	G-0400,	0.0	0.0	0.0	5.87E-07	9.28E-06	5.46E-05
4	2	34	33	6370.20		4239.37	2.3588	0.0400	0.0	0.0	0.0	0.0	9.40E-08	4.26E-07
2	0	4	5	57.67		4240.11 4240.13	2.3584	0.0400	0.0	5.08E~07	5.34E-05	4.84F-04	1.66E-03	3.54E-03
4	2	67	66	12486.39		4240.13	2.3584 2.3582	0.0645	6.39E-02	3.63E-02	2.46E-02	1.79E-02	1.35E-02	1.05E-02
2	Č	27	26	1227.55		4240.89	2.3562	0.0400 0.0400	0.0 1.19E-05	0.0	0.0	7.71E-07	1.15E-05	6.50E-05
2	Č	78	77	10836.05		4241.28	2.3578	C-0400	0.0	1.29E-C4	2.34E-04	2.77E-04	2.81F-04	2.65E-04
4	ź	35	34	6497.59		4241.35	2.3577	0.0400	0.0	0 • 0 3 • 88E~07	. 0.0 4.52E-05	1.20E-08	1.20E-07	5.21E-07
3	ī	10	9	2314.69		4241.37	2.3577	0.0547	8.42E-06	1.07E-03	4.42E-03	4.31E-04 7.92E-03	1.57E-03 1.03E-02	3.31E-03 1.14E-02
2		10€	-	20633.65	î	4241.45	2.3577	G.G40G	0.0	0.0	0.0	0.0	0.0	3.30E-08
4	2	66	65	12244.32		4241.74	2.3575	C.0400	0.0	0.0	1.06E-08	1.01E-06	1.42E-05	7.71E-05
3	1	91	90	17331.98		4242.40	2.3572	0-0400	0.0	0.0	0.0	0.0	8.67E-08	1.06E-06
4	2	36	35	6628.66		4242.52	2.3571	C.040C	0.0	2.93E-07	3.79E-05	3.81E-04	1.396-03	3.09E-03
2	¢	28	27	1386.36	2	4242.68	2.3570	C.0400	7.75E-06	1.06E-04	2.08E-04	2.57E-04	2.67E-04	2.55E-04
4	2	65	64	12005.71	1	4242.9C	2.3569	0.0400	0.0	0.0	1.52E-08	1.31F-06	1.74E-05	9.12E-05
2	0	77	76	10563,28	2	4243.11	2.3568	0.0400	0.0	0.0	0.0	1.635-08	1.53F-07	6.36E-07
4	2	37	36	6763.42	1	4243.6C	2.3565	0.0400	0.0	2.20F-07	3.16F-05	3.36F-04	1.27E-03	2.87E-03
4	2	64	63	11770,57	1	4243.98	2.3563	C.04CC	0.0	0.0	2.17F-08	1.70E-06	2.136-05	1.08E-04
2	0	2	4	38.45	1	4244.26	2.3561	0.0676	5.63F-02	3.06E-02	2.04E-02	1.47E-02	1.116-02	8.57E-03
3	1	11	10	2352.76	1	4244.40	2.3560	C.0545	7.77E-06	1.086-03	4.60E-03	8.37F-03	1.106-02	1.23E-02
2	0	29	28	1488.80	2	4244.4C	2.3560	0.0400	4.93E-06	8.67E-05	1.84E-04	2.37E-04	2.52E-04	2.45E-04
4	2	38	37	6901.85		4244.61	2.3559	C.0400	0.0	1.63E-07	2.62E-05	2.94E-04	1.156-03	2.66E-03
2	0	76	75	10252.79	2	4244.87	2.3558	C.0400	0.0	0.0	0.0	2+21E-08	1.94E-07	7.73F-07
4	2	63	62	11538.91	1	4244.98	2.3557	G.0400	0.0	0.0	3.07E-08	2.19E-06	2.60E-05	1.27E-04
4	2	39	38	7043.96		4245.55	2.3554	0.0400	0.0	1.2CE-07	2 • 16E-05	2.56E-04	1.03E-03	2.45E-03
3	1	90	89	17007.07		4245.56	2.3554	0.0400	0.0	0.0	0.0	0.0	1.16E-07	1.35E-06
5	0	105	104	20758.50		4245.84	2.3552	0.0400	0.0	0.0	0.0	0.0	0.0	4.386-08
4	2	62	61	11310.73		4245.9C	2.3552	G.04C0	0.0	0.0	4.31E-08	S+82E-06	3.16E-05	1.48F-04
2	C	30	29	1554.85		4246.06	2.3551	C • O 4 O O	3.09E-06	6.99E-05	1 • 6 1E - 0 4	2 • 17E-04	2.36E-04	2.34E-04
4	2	40	35	7169.73		4246.41	2.3549	0.0400	0.0	8.71E-08	1.77E-05	2-22F-04	9.29E-04	2.25E-03
2	C	75	74	10027.60		4246.55	2.3549	0.0400	0.0	0.0	C • O	2.99E-08	2.46E-07	9.38E-07
4	2	61	60	11086.05		4246.74	2.3547	0.0400	0.0	0.0	6.C3E-08	3.605-06	3.83E-05	1.73E-04
4	2	41	40 11	7339.16		4247.20	2.3545	C.0400	0.0	6.28E-08	1.43E-05	1.92E-04	8.30E-04	2.06E-03
4	2	60	55	2394.64 10664.87	1	4247.36 4247.50	2.3544	0.0542	6.97E-06	1.08E-03	4.72E~03	8.74E-03	1.16E-02	1.306-02
2	Č	21	30	1704.53		4247.50	2.3543 2.3542	C+G400 C+0400	0.0	0.0	30-38E-8	4.58E-06	4.63E-05	2.02E-04
4	2	42	41	7492.24		4247.90	2.3541	0.0400	1.90E-06 0.0	5.59E-05 4.49E-08	1.41E-04	1.98E-04	2.22E-04	2.23E-04
2	Č	74	73	5764.71		4248.15	2.3540	0.0400	0.0	0.0	1.16E-05 0.0	1.64E-04 4.01E-08	7.39E-04	1.885-03
4	2	59	58	10647.20		424F.19	2.3539	0.0400	0.0	0.0	1.16E-07	5.82E-06	3.10E-07 5.57E-05	1.13E-06 2.35E-04
•	-	- ′			-			214400	~~~	•••	19105-01	2.050-00	24216-02	4.0076-04

							CA	KEUN MUNUA	LDC					
٧Ů	٧L	JL	JĻ	LCWER STATE	CODE	WAVE WUMBEF	WAVE LENGTH	HALF WICTH	*****	** INTECRATE	ED ** ABSGRE		FFICIENT *	*****
				ENERGY		CM-1	MICRON	NZ	00E = T	T = 600	T = 900	T = 1200	T = 1500	T = 1800
2	0	2	3	23.07	1	4248.31	2.3539	0.0707	4.57E-02	2.39E-02	1.57E-02	1.135-02	8.476-03	6.54E-03
4	ž	43	42	7648.97		4248.54	2.3538	0.0400	0.0	3.18E-08	9.29E-06	1.40E-04	6.55E-04	1.71E-03
	1	85	88	16685.38		4248.63	2.3537	0.0400	0.0	0.0	0.0	0.0	1.566-07	1.72F-06
4	2	58	57	10433.05		4248.75	2.3536	0.0400	0.0	0.0	1.608-07	7.35F-06	6.69E-05	2.73E-04
4	2	44	43	7809.34		4249.09	2.3534	C+0400	0.0	2.23E-08	7.40E-06	1.19E-04	5.79E-04	1.55E-03
2	ā	32	31	1617.82		4249.16	2.3534	C.0400	1.15E-06	4.43E-05	1.225-04	1.80F-04	2.07E-04	2.12E-04
4	2	57	56	10222.44		4249.32	2.3533	0.0400	0.0	0.0	2.19E-07	9.25E-06	8.00E-05	3.15E-04
4	2	45	44	7973.35		4249.57	2.3532	C.0400	0.0	1.55E-08	5.86E-06	1.C1E-04	5.09F-04	1.40E-03
2	ć	73	72	9505.12		4249.68	2.3531	0.0400	0.0	0.0	0.0	5.36E-08	3.90E-07	1.37E-06
4	2	56	55	10015.37		4249.77	2.3531	0.0400	0.0	0 • G	2.986-07	1.16E-05	9.54E-05	3.63F-04
4	2	46	45	£140.98		4245.98	2.3530	0.0400	0.0	1.06E-CF	4.61E-C6	8.48E-05	4.46E-04	1.268-03
2	ć	104	103	15866.39		4250.14	2.3529	0.0400	0.0	0.0	0.0	0.0	0.0	5.79E-08
4	2	55	54	9811.84		4250.14	2.3529	0.0400	0.0	0.0	4.02E-07	1.44F-05	1.13E-04	4.185-04
3	ı	13	12	2440.32		4250.25	2.3528	0.0540	6.10E-06	1.05E-03	4.78E-03	9.01E-03	1.21E-02	1.37E-02
4	2	47	46	£312.24		4250.3C	2.3528	C.0400	0.0	0.0	3.60E-C6	7.10E-05	3.89E-04	1.13E-03
4	2	54	53	9611.86		4250.43	2.3527	0.0400	0.0	0.0	5.41E-07	1.79E-05	1.34E-04	4.78E-04
4	2	48	47	8487.11		4250.55	2.3526	0.0400	0.0	0.0	2.80E-06	5.925-05	3.38E-04	1.01E-03
2	ő	33	32	1934.72		4250.6C	2.3526	0.0400	6.80E-07	3.48E-CF	1.05E-04	1.62E-04	1.92E-04	2.01E-04
4	2	53	52	9415.45		4250.64	2.3526	C-0400	0.0	0.0	7.22E-07	2.21E-05	1.58E-04	5.46E-04
4	2	49	48	8665.59		4250.73	2.3525	6.0400	0.0	0.0	2.16E-06	4.91E-05	2.92E-04	8.98E-04
4	2	52	51	9222.01		4250.78	2.3525	0.0400	0.0	0.0	9.59E-07	2.72E-05	1.85E-04	6.21E-04
4	2	5 C	49	8847.68		4250.82	2.3525	0.0400	0.0	0.0	1.66E-06	4.05E-05	2.52E-04	7.97E-04
4	2	51	5 C	9033.35		4250.84	2.3525	0.0400	0.0	0.0	1.27E-06	3.33E-05	2.16E-04	7.05E-04
2	0	72	71	\$248.86		4251.13	2.3523	C.0400	0.0	0.0	0.0	7.14E-08	4.88E-07	1.64E-06
3	1	88	67	16366.91		4251.62	2.3520	G.C4CG	0.0	0.0	0.0	0.0	2.08E-07	2.18E-06
3	e e	34	33	2055.22		4251.98	2.3518	0.0400	3.96E-07	2.70E-05	9.03E-05	1.46E-04	1.77E-04	1.89E-04
2	Ċ	1	2	11.54		4252.30	2.3517	0.0738	3.23E-02	1.658-02	1.07E-02	7.68E-03	5.74E-03	4.42E-03
2	c	71	70	8995.93		4252.51	2.3516	0.0400	0.0	0.0	0.0	9.478-08	6.09E-07	1.975-06
3	1	14	13	2489.80		4253.07	2.3512	0.0528	5.21E-06	1.01F-02	4.79E-03	9.20E-03	1.256-02	1.436-02
2	٥	35	34	2179.32		4253.28	2.3511	0.0400	2.26F-07	2.08E-05	7.67E-05	1.30E-04	1.63E-04	1.776-04
2	Č	7 C	69	E746.33		4253.81	2.3508	0.0400	0.0	0.0	0.0	1.25E-07	7.58E-07	2.35F-06
2	Č		102	19817.34		4254.36	2.3505	0.0400	0.0	0.0	0.0	0.0	0.0	7.65E-08
2	Ċ	36	35	2307.02		4254.52	2.3504	C.040C	1.27E-07	1.59E-05	6.48E-05	1.16E-04	1.50E-04	1.66E-04
3	1	87	26	16051.69		4254.53	2.3504	C+04C0	0.0	0.0	0.0	0.0	2.765-07	2.76E-06
2	Ċ	65	68	8500.09		4255.04	2.3502	0.0400	0.6	0 • 0	0.0	1.64E-07	9.39E-07	2.81E-06
2	č	27	36	2438.31		4255.68	2.3498	0.0400	7.00F-08	1.206-05	5.44E-05	1.02E-04	1.36E-04	1.55E-04
3	ĭ	15	14	2543.08		4255.81	2.3497	C.Q517	4.35E-06	9.59E-04	4.74E-03	E0-30E-03	1.28E-02	1.47E-02
2	ċ	68	67	8257.20		4256.20	2.3495	0.0400	0.0	0.0	1-12E-08	2.15E-07	1.165-06	3.33E-06
5	ā	ā	1	3.85		4256.21	2 3495	0.0769	1.69E-02	8.42E-03	5.47E-03	3.89E-03	2.90E-03	2.23E-03
2	G	38	37	2573.18		4256.77	2.3492	C.040G	3.79E-08	8.98E-06	4.53E-C5	8.99E-05	1.24E-04	1.44E-04
2	ā	67	66	£017.69		4257.28	2.3489	0.0400	0.0	0.0	1.60E-C8	2.80E-07	1.43E-06	3.95E-06
3	ĭ	86	88	15739.73		4257.36	2.3489	C+0400	0.0	0.0	0.0	1.13E-08	3.66E-07	3.48E-06
2	ō	39	38	2711.64		4257.8C	2.3486	C.0400	2.02F-08	6.65E-06	3.75E-05	7.87E-05	1.12E-04	1.33E-04
2	ă	66	65	7781.55		4250.28	2.3484	C+C40C	0 • C	0.0	2.29E-08	3.64E-07	1.75E-06	4.66E-06
3	ĭ	16	15	2600.15		4258.48	2.3483	0.0505	3.55E-06	8.97E-04	4.64E-03	9.32E-03	1.306-02	1.51E-02
2	Ĉ	102	161	19151.35		4258.49	2.3463	C.0400	0.0	0.0	0.0	0.0	0.0	1.01E-07
2	ū	40	39	2857.07		4258.75	2.3461	0.0400	1.056-08	4.99E-06	3.09E-05	6.85E-05	1.01E-04	1.22E-04
2	Č	65	64	7548.79		4259.21	2.3479	C.04CC	0.0	0.0	3.25E-08	4.70E-07	2.14E-06	5.49E-06
2	ŏ	41	46	2999.27		4259.63	2.3476	0.0400	0.0	3.56E-06	2.52E-05	5.94E-05	9.08F-05	1.12E-04
2	ă	64	63	7319.43		4263.07	2.3474	C.04C0	0.0	0.0	4.58E-C8	6.05E-07	2.61E-06	6.44E-06
Ē	1	85	84	15431.03		4269.10	2.3474	0.0400	0.0	0.0	0.0	1.60E-08	4.83E-07	4.38E-06
2	G	42	41	3148.44		4260.44	2.3472	C.0400	0.0	2.57E-06	2.05E-05	5 • 1 2E-05	8.11F-05	1.03E-04
2	Ö	63	62	7097.47		4260.8F	2.3470	0.0400	0.0	0.0	6.41E-08	7.75E-07	3.16F-06	7.54E-06
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VU	VL	JU	J٤	LCWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	PALF WICTH	******	** INTEGRATI	ED ** ABSORI		EFFICIÉNT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
													-	
3	1	17	16	2661.01	1	4261.08	2.3468	0.0493	2.83E-06	8.29E-04	4.50E-03	9.26E-03	2.215.00	
2	ō	43	42	3301.17	2	4261.18	2.3468	0.0400	0.0	1.83E-06	1.66E-05	4.40E-05	1.31E-02 7.22E-05	1.54E-02 9.39E-05
2	0	62	61	6870.93	2	4261.56	2.3466	0.0400	0.0	0.0	8.94E-08	9.88E-07	3.82E-06	8.80E-06
2	0	44	43	3457.45	2	4261.85	2.3464	0.0400	0.0	1.30E-06	1.33E-05	3.75E-05	6.40E-05	8.54E-05
2	C	61	60	6651.80	2	4262.20	2.3462	C.0400	0.0	0.0	1 • 24E-07	1.25E-06	4.60E-06	1.02E-05
2	0	45	44	3617.28	2	4262.45	2.3461	0.0400	0.0	9.11E-07	1.06E-05	3.19E-05	5.65E-05	7.73E-05
2	0	101	100	18788.44	1	4262.54	2.3460	0.0400	0.0	0.0	0.0	0.0	0.0	1.325-07
2	0	60	59	6436.11	2	4262.76	2.3459	0.0400	0.0	0.0	1.71E-07	1.595-06	5.52E-06	11 9E-05
3	1	€4	83	15125.61	1	4262.77	2.3459	C.0400	0.0	0.0	0 • C	2.275-08	6.36E-07	5.49E-06
2	0	46	45	3780.65	2	4262.98	2.3458	0.0400	0.0	6.33E-07	8.39F-06	2.70E-05	4.97E-05	6.98E-05
2	0	59	58	6223,85	2	4263.25	2.3456	G.040C	6.0	0.0	2.34E-07	2.00E-06	6.628-06	1.376-05
2	0	47	46	3947.55	2	4263.43	2.3455	0.0400	0.0	4.36F-07	6.61E-06	2.27E-05	4.36E-05	6-28E-05
3	1	18	17	2725.67	1	4263.61	2.3454	0.0482	2.21E-06	7.56E-04	4.32F-03	9.13E-03	1.31E-02	1.56E-02
2	C	58	57	6015.03	2	4263.66	2.3454	0.0400	0.0	0.0	3.20E-07	2.51E-06	7.91E-06	1.59E-05
2	¢	48	47	4117,99	2	4263.81	2.3453	0.0400	0.0	2.98E-07	5.17F-06	1.90F-05	3.80E-05	5.64E-05
2	C	1	0	-0.0	1	4263.83	2.3453	0.0769	1.74E-02	8.60E-03	5.566-03	3.95E-03	2.95E-03	2.27E-03
2	0	57	56	F809.67	2	4264.01	2.3452	C.0400	0.0	0.0	4.34E-07	3.145-06	9.41E-06	1.83E-05
2	0	45	48	4291.95	2	4264.12	2.3452	0.0400	0.0	2.02E-07	4.02E-06	1.59E-05	3.31E-05	5.04E-05
2	C	5€	55	5667.77	2	4264.27	2.3451	0.0400	0.0	1.02E-08	5.85E-07	3.915-06	1.12E-05	2.10E-05
2	G	50	49	4469.43	2	4264.36	2.3450	0.0400	0.0	1.35E-07	3.11E-06	1.32E-05	2.86E-05	4.495-05
2	G	55	54	5409.33	2	4264.47	2.3450	C.0400	0.0	1.61E-0E	7,85E-07	4.84E-06	1.32E-05	2.40F-05
2	0	5 1	50	465C.41	2	4264.53	2.3449	0.0400	0.0	9.00E-G8	2.39E-06	1.C9F-05	2.47E-05	3.995-05
2	C	54	63	5214.37	2	4264.59	2.3449	0.0400	0.0	2.51E-08	1.05E-06	5.96E-06	1.55E-05	2.74E-05
2	C	52	5 1	4634.91	2	4264.62	2.3449	0.0400	0.0	5.93E-08	1.83E-06	8.94E-06	2.12E-05	3.536-05
2	C	£2	52	5022.89	2	4264.64	2.3449	C.04CC	0 • C	3.87E-0E	1.39E-06	7.32E-06	1.82E-05	3-116-05
3	1	E 3	82	14823.48	1	4265.35	2.3445	0.0400	0.0	0.0	0.0	80-305.E	8.35E-07	6.86E-06
3	1	15	1 &	2794.11	1	4266.07	2.3441	C.0470	1.69E-06	6.81E-04	4.11E-C3	8.92E-03	1.30E-02	1.56E-02
2	C	1 C C	99	18428.62	1	4266.5C	354E.S	0.04CC	0.0	0.0	0.0	0.0	1.19E-08	1.74E-07
2	0	2	1	3.85	1	4267.54	2.3433	0.0738	3.43E-02	1.71E-02	1.11E-02	7.92E-03	5.92E-03	4.55E-03
3	1	62	81	14524.67	1	4267.84	2.3431	0.0400	0.0	0.0	0.0	4.50E-08	1.09E-06	8.56E-06
3	1	20	19	2666.33	1	4268.45	2.3428	0.0458	1.275-06	6.06E-04	E0-389.E	8.66E-03	1.28E-02	1.56E-02
3	1	81	8¢	14229.17	1	4270.26	2.3416	0.0460	0.0	0.0	0.0	6.29F-,08	1.42E-06	1.06E-05
2	0	95	98	18071.92	1	4270.38	2.3417	0.0400	0.0	0.0	0.0	0.0	1.64E-08	2.275-07
3	1	21	2 C	2942.34	1	4270.76	2.3415	0.0447	9.29E-07	5.33E-04	3.62E-03	8.35E-03	1.26E-02	1.55E-02
2	C	3	2	11.54	1	4271.17	2.3413	C.0707	4.99E-02	2.54E-02	1.66E-02	1.19E-02	8.876-03	E0-958.6
3	1	8 C	79	13937.00	1	4272.6C	2.3405	C.0400	0.0	0.0	0.0	8.77F-08	1.85E-06	1.326-05
3	1	22	21	3022.13	1	4272.99	2.3403	0.0435	6.67E-07	4.64E-04	3.36E-03	7.99E-03	1.236-02	1.53E-02
2	Ç	58	97	17718.34	1	4274.18	2.3396	C.C4C0	0.0	0.0	0.0	0.0	2.26E-08	2.966-07
2	0	4	3	23.07	1	4274.74	2.3393	0.0676	6.34E-02	3.32E-02	2.19E-02	1.57E-02	1.18E-02	9∙08E-03
3	1	79	78	13648.17	1	4274.85	2.3393	0.0400	0.0	0.0	0.0	1.22E-07	2.39E-06	1+63E-05
3	1	22	22	3105.69	1	4275.16	2.3391	0.0423	4.70E-C7	3.99E-04	3.096-03	7.60E-03	1.19E-02	1.51E-02
3	1	78	77	13362.69	1	4277.02	2.3381	C.040C	0.0	0.0	Q.C	1.68E-07	3.09E~06	2.01E-05
2	1	24 97	23	3193.03	1	4277.24	2.3380	0.0412	3.24E-07	3.40E-04	2.82E-03	7.18E-03	1.15E-02	1.48E-02
2	Ċ	5	96 4	17367.91	ì	4277.89	2.3376	0.0466	0.0	0.0	0.0	0.0	3.11E-08	3.84E-07
3	1	77	76	38.45 13080.58	1	4278.23	2.3374	0.0645	7.41E-02	4.02E-02	2.68E-02	1.948-02	1.46E-02	1.13E-02
3	1	25	24		1	4279.11	2.3369	0.0400	0.0	0.0	0.0	2.318-07	3.97E-06	2.47E-05
3	1	76	75	3264.13	1	4279.26	2.3369	C+0400	2.196-07	2.86E-04	2.55E-03	6.758-03	1.11E-02	1.44E-02
3	1	26	25	12801.85	1	4261-12	2.3358 2.3358	0.0400	0.0	0.0	0.0	3.165-07	5.08E-06	3.03E-05
2	Ċ	96	95	3379.00 17020.62	1 1	4281.2C	2.3358	C.0400	1.46E-07	2.38E-04	2.29E-03	6.29E-03	1.06E-02	1+39E-02
2	c	÷c	95	57.67	1	4281.52	2.3356	6.0460	0.0	0.0	0 • C	0.0	4.26E-08	4.98E-07
3	1	75	74	12526.50	1	4281.65 4283.05	2.3355 2.3348	C-0621	8.16E-02	4.64E-02	3-14E-02	2.29E-02	1.73E-02	1.34E-02
3	1	27	26	3477.63		4283.07	2.3348	C.0400 O.0400	0.0 9.47E-08	0.0	0.0	4.32E-07	6.49E-06	3.70E-05
~	•			5411105	•	720001	2,0340	0.0400	30416-08	1.96E-04	2.056-03	5.84E-03	1.00E-02	1.34E-02

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Vt	٧L	JL	JL	LCWER STATE	CODE	WAVE RUMPER	WAVE Length	PALF WIDTH	*****	** INTEGRAT	ED ** ABSCR	PTICN ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
														·
							•							
3	1	28	27	3580.03	1	4284.86	2.3338	0.0400	6.04E-08	1.60E-04	1.81E-03	5.38E-03	9.48E-03	1.29E-02
3	1	74	73	12254.55	1	4284.89	855E.S	0.0460	0.0	0.0	0.0	5.86E-07	8.26E-06	4.50E-05
2	a	7	6	20.74	1	4285.00	2.3337	0.0597	8.58 F- 02	5.15E-02	3.56E-02	2.61E-02	1.99E-02	1.55E-02
2	C	95	94	16676.52		4285.06	2.3337	0.0400	0.0	0.0	0.0	0.0	5.82E-08	6.44E-07
3	1	25	28	3686.17	1	4286.58	2.3329	C+040C	3.78E-08	1.29E-04	1.59E-03	4.94E-03	8.91E-03	1.24E-02
3	1	73	72	11986.02		4286.66	2.3328	0.0400	0.0	0.0	0.0	7.92E-07	1.05E-05	5.47E-05
3	1	30	29	3756.07	1	4288.23	2.3320	0.0400	2.32E-C8	1.03E-04	1.39E-03	4.50E-03	8.34E-03	t • 18E-02
2	C	9	7	107.65	1	4288.28	2.3319	0.0574	8.67F-02	5.56E-02	3.92E-02	2.91E-02	2.23E-02	1.74E-02
3	1	72	71	11720.90	1	4288.34	2.3319	0.0400	0.0	C.O	1.39E-08	1.07E-06	1.32E-05	6.62E-05
2	C 1	94 31	93 30	16335.59	1	4268.52	2.3218	0.0460	0.0	0.0	0.0	0.0	7.93E-08	8.30E-07
3	1	71		3909.71	1	4289.8C	2.3311	0.0400	1.40E-08	8.18F-05	1.20E-03	4.09E-03	7.78E-03	1.12F-02
3	1	32	7¢	11459.21 4027.09	1	4289.95	2.3310	0.0400	0.0	0.0	2.066-08	1.43E-06	1.66E-05	7.99E-05
3	1	70	69		_	4291.30	2.3303	C.04GC	0.0	6.42E-05	1.04E-03	3.69E-03	7.23E-03	1.06E-02
2	٥	ç	8	11200.97 138.40	1	4291•47 4291•49	2.3302	0.0400	0.0 8.47E-02	0.0	3.05E-08	1.91E-06	2.09E-05	9.62E-05
2	c	93	92	15997.85	ì		2.3302	C.0550		5.84F-02	4.22E-02	3.17E-02	2.458-02	1.92E-02
3	1	33	32	4148-21	1	4291.89 4292.72	2.3300 2.3295	0.0400 0.0400	0.0	0.0 4.99E-05	0.0	0.0	1.08E-07	1.07E-06
3	1	69	68	10946.18	î	4292.92	2.3299	C. C40C	0.0	0.0	8.28E-C4 4.49E-C8	3.31E-03 2.53E-06	6.696-03	9.98E-03
3	ì	34	33	4273.06	i	4294.06	2.3254	C.0400	0.0	3.83E-05	7.55E-04	2.96E-03	2.61E-05	1.15E-04
3	1	68	67	10694.85	1	4294.00	2.3287	0.0400	0.0	0.0	6.56E-08	3.35E-06	6.15E-03 3.25E-05	9.37E-03 1.38E-04
2	â	10	Ś	172.99	i	4294.63	2.3285	0.0547	8.02E-02	6.01F-C2	4.46E-02	3.40E-02	2.65E-02	2+09E-02
ā	ā	92	91	15663.33	i	4295.18	2.3282	0.0400	0.0	0.0	0.0	0.0	1.45E-07	1.378-06
3	1	35	34	4401.64	i	4295.34	2.3281	0.0400	0.0	2.92F-05	6.37E-04	2.635-03	5.64E-03	8.775-03
3	ī	67	66	10446.99	ī	4295.57	2.3280	C.0400	0.0	0.0	9.54E-08	4 • 4 IE-06	4.03E-05	1.65E-04
3	1	36	35	4523.94	i	4296.53	2.3275	C.0400	0.0	2.20F-05	5.34E-04	2.33E-03	5.15E-03	8.17E-03
3	1	66	65	10202.62	ī	4296.77	2.3273	0.0400	0.0	0.0	1.38E-07	5.78E-06	4.985-05	1.96E-04
3	1	37	36	4669.95	ī	4297.66	2.3268	C.0400	0.0	1.64F-05	4.45E-04	2.G4E-03	4.67E-03	7.58E-03
2	O	11	10	211.42	ī	4297.70	2.3268	0.0545	7.38E-02	6.07E-02	4.65E-02	3.60E-02	2.826-02	2.24E-02
3	1	65	64	9961.74	1	4297.9C	2.3267	0.0400	0.0	0.0	1.98E-07	7.55E-06	6 - 14E-05	2.326-04
2	a	91	90	15332.04	1	4298.39	2.3265	0.0400	0.0	0.0	0.0	0.0	1.96E-07	1.75E-06
3	1	35	37	4609.68	1	4298.7C	2.3263	0.0400	0.0	1.22E-05	3.68E-04	1.79E-03	4.23E-03	7.01E-03
3	1	64	63	9724.36	1	4298.94	2.3262	C.0400	0.0	0.0	2.83E-07	9.81E-06	7.535-05	2.74E-04
3	1	35	38	4953.12	1	4299.67	2.3258	C.0400	0.0	8.91E-06	3.02E-C4	1.56E-C3	3.81E-03	6.46F-03
3	1	63	62	9490.49	1	4259.91	2.3256	0.0400	0.0	0.0	4.02E-07	1.27E-05	9-21E-05	3.23E-04
3	1	40	39	5100.25	1	4300.57	2.3253	C.0400	0.0	6.46E-06	2.47E-C4	1.35E-03	3.41E-03	5.93E-03
2	0	12	11	86.53	1	4300.69	2.3252	0.0542	6.61F-02	6.02E~02	4.77E-02	3.75E-02	2.97E-02	2.38E-02
3	1	62	61	9260.14	1	4300.80	2.3252	0.0406	0.0	0 • C	5.67E-07	1.63E-05	1.12E-04	3.79E-04
3	1	41	4 C	5251.08	1	4301.38	2.3248	C.0400	0.0	4.656-06	2.00E-04	1.16E-03	3.05E-03	5.42E-03
2	C	90	89	15003.98	1	4301.52	2.3248	0.0400	0.0	0.0	0.0	0.0	2.63E-07	2.23E-06
3	1	61	6 C	9033.32	1	4301.60	2.3247	G.0400	0.0	0.0	7.95E-07	2.09E-05	1.36E-04	4-44E-04
3	1	42	41	5405.60	1	4302.13	2.3244	C.0400	0.0	3.31E~06	1.€1E-04	9.93E-04	2.71E-03	4.94E-03
3	1	60	59	8810.04	1	4302.33	2.3243	0.0400	0.0	0.0	1.11E-C6	2.67E-05	1.65E-04	5.18E-04
3	1	43	42	08.E633	1	4302.79	2.3241	0.0400	0.0	2.336-06	1.29E-C4	8.47F-04	2.40E-03	4.496-03
3	1	55	5€	859C.31	1	4302.98	2:3240	C.0400	0.0	0.0	1.54E-06	3.40E-05	1.99E-04	6.03E-04
3	1	44	43	5725.08	1	4303.38	2.3238	0.0400	0.0	1.63E-06	1.02E-04	7.18E-04	2.11E-03	4.06E-03
3	1	56	57	£374.14	1	4303.55	2.3237	C.0400	0.0	0.0	2.13E-06	4.30E-05	2.39E-04	7.01E-04
2	C	12	12	299.78	1	4303.62	2.3236	0.0540	5.786-02	5.87F-02	4.835-02	3.87E-02	3.10E-02	2.50E-02
3	1	45	44	5891.22	1	4303490	2.3235	0.0400	0.0	1.176-06	8.09E-05	6.06E-04	1.86E-03	3.66E-03
3	1	57	56	8161.53	1	4304.05	2.3234	C.0400	0.0	0 • C	2.925-06	5.42E-05	2.86E-04	8.12E-04
3	1	46	45	6060.43	1	4304.34	2.3232	0.0400	0+0	7.73E-07	6+35E-05	5.09E-04	1.626-03	3.296-03
3	1	56	55	7952.49	1	4304.46	2.3232	0.0400	0.0	1.07E-08	3.996-06	6.81E-C5	3.42E-04	9.38E-04
2	c	29	88	14679.17	1	4304.56	2.3231	0.0400	0.c	0.0	0.0	1.40E-08	3.54E-07	2.84E-06
J	1	47	46	6223.30	1	4304.70	2.3230	0.0400	0.0	5.25E-07	4.95E-05	4.25F-04	1.41E-03	2.95E-03

vu	٧L	JU	JL	LCWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATI	EC ** ABSOFI		EFFICIENT *	*****
				ENERGY		CM-1	MICREN	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
3	1	55	54	7747.04	1	4304.80	2.3230	0.0400	0.0	1.716-08	5.41E-C6	8.50E-05	4.07E-04	
3	i	48	47	6409.82	1	4304.98	2.3239	0.0400 0.0400	0.0	3.53E-C7	3.84E-05	3.54E-04	1.235-03	1.08E+03 2.63E+03
3	ì	54	53	7545.17	i	4305.06	2.3228	C.0400	0.0	2.71E-CE	7.29E-06	1.C6E-04	4.82E-04	1.24E-03
3	i	49	48	6569.98	ì	4305.19	2.3228	0.0400	0.0	2.36F-07	2.96F-05	2.93E~04	1.06E-03	2.34E-03
3	î	53	52	7346.91	i	4305.24	2.3228	C.0400	0.0	4.25E-08	9.76E-06	1.31E-04	5.69E-04	1.42E~03
3	ì	50	49	6773.78	1	4305.32	2.3227	0.0400	0.0	1.566-07	2.26E-05	2-41E-04	9.13E-04	2.07E-03
3	i	52	51	7152.25	i	4305.34	2.3227	0.0400	0.0	6.61E-08	1.30E-05	1.61E-04	6.68E-04	1.61E-03
3	1	51	50	6961.20	i	4305.27	2.3227	C.0400	0.0	1.C2E-07	1.72E-05	1.98E-04	7.83E-04	1.83E-03
2	ē	14	13	349.72	i	4306.47	2.3221	0.0528	4.938-02	5.646-02	4.83E-02	3.95F-02	3.20E-02	
2	Č	88	87	14357.63		4307.52	2.3215	0.0400	0.0	0.0	0.0	2.C3E-08	4.73E-07	3.61E-06
5	Č	15	14	403.48	i	4309.25	2.3206	0.0517	4.10E-02	5.35E-02	4.77E-02	3.99E-02	3.28E-02	2.69E-02
5	ŏ	٤7	86	14039.36	î	4310.4C	2.3200	C.0400	0.0	0.0	C. 0	2.92E-08	6.31E-07	4.58E-06
ž	ŏ	16	1 5	461.08	i	4311.95	2.3191	0.0505	3.34F-C2	5.00E-02	4.67E-02	4.00E-02	3.33E-02	2.76E-02
2	Č	86	85	13724.39	ī	4313.19	2.3165	G.0400	0.0	0.0	0.0	4.18E-08	8.39E-07	5.79E-06
2	ō	17	16	F22.50	i	4314.59	2.3177	0.0493	2.66E-02	4.61E-C2	4.53E-02	3.97E-02	3.35E-02	
2	Č	88	64	13412.71	ī	4315.90	2.3170	0.0400	0.0	0.0	0.0	5.97E-08	1.11E-06	7.30E-06
2	Č	18	17	587.75	ī	4317.15	2.3163	C.0482	2.C7E-02	4.2CE-02	4.34E-02	3.91E-02	3.36E-02	2.845-02
2	č	84	83	13104.36	ī	4318.53	2.3156	0.0400	0.0	0.0	0.C	8.495-08	1.47E-06	9-17E-06
2	ō	15	18	656.82	1	4319.64	2.3150	0.0470	1.58F-02	3.786-02	4.13F-02	3.82E-02	3.33E-02	2.85E-02
2	Č	E3	62	12799.33	ī	4321.08	2.3142	0.0400	0.0	0.0	0.0	1.20F-07	1.93E-06	1.156-05
2	Ċ	20	19	729.71	ī	4322.06	2.3137	0.0458	1.18E-02	3.36E-02	3.89E-02	3.70E-02	3.29E-02	2.85E-02
2	Ċ	82	81	12497.64	1	4323.54	2.3129	0.0400	0.0	0.0	0.0	1.69E-07	2.53E-06	1.44E-05
2	ō	2 เ	20	206.42	1	4324.40	2.3125	0.0447	8.61E-03	2.955-02	3.63E-02	3.57E-02	3.23E-02	2.83E-02
2	ė	81	80	12199.31	ī	4325.93	2.311€	C.040C	0.0	0.0	0.0	2.38E-07	3.31E-06	1.79E-05
2	0	22	21	886.95	ī	4326.67	2.3112	0.0435	6.16F-C3	2.56E-02	3.37E-02	3.41E-02	3.15E-02	2.79E-02
2	Ċ	80	79	11904.34	1	4328.23	2.3104	C-0400	0.0	0.0	0.0	3.32E-07	4.31E-06	2.22F-05
2	-0	23	22	971.28	1	4320.87	2.3101	C.0423	4.32E-03	2.20E-02	3.09E-02	3.24E-02	3.05E-02	2.74E-02
2	C	75	78	11612.75	1	4330.45	2.3092	C.040C	0.0	0.0	0.0	4.63E-07	5.59E-06	2.75E-05
2	0	24	23	1059.42	1	4330.99	2.3089	0.0412	2.97E-03	1.87E-02	2.82E-02	3.06E-02	2.94E-02	2.68E-02
2	G	78	77	11324.54	1	4332.59	2.3081	C.0400	0.0	0.0	0.0	6.41E-07	7.23E-06	3.40E-05
2	0	25	24	1151.37	1	4333.04	2.3078	0.0400	2.005-03	1.57E-02	2.55E-02	2.87F-02	2.825-02	2.61E-02
2	C	77	76	11039.74	1	4334.64	2.3070	C.04CO	0.C	0.0	1.515-08	8.85E-07	9.32E-06	4.19E-05
2	C	26	25	1247.11	1	4335.02	8.3068	0.040C	1.32E-03	1.305-02	2.29E-02	2.68E-02	2.69E-02	2.53E-02
2	G	76	75	10758.35	1	4336.62	2.3059	0.040C	0.0	0.0	2.325-08	1.22F-06	1.20E-05	5-14E-05
2	С	27	2€	1346.66	1	4336.92	2.3058	C - 0 4 C C	8.57E-04	1.07E-02	2.04E-02	2.48E-02	2.56E-02	2.44E-02
2	0	75	74	10480.37	1	4338.51	2.3049	0.0400	0.0	0.0	3.55E-08	1.665-06	1.53E-05	6.29E-05
2	C	28	27	1445.99	1	4338.75	2.3048	C.0400	5.45E-04	8.73E-03	1.80E-C2	2+28E-02	2.41E-02	2.34E-02
2	٥	74	73	10205.84	1	4340.33	2.3040	0.0400	0.0	0.0	5.39E-08	2-26E-06	1.95E-05	7.68E-05
2	G	25	28	1557.12	1	4340.5C	2.3039	0.0400	3.39E-04	7.03E-02	1.58E-02	2.098-02	2.27E-02	2.24E-02
2	0	73	72	9934.75	1	4342.06	2.3031	0.0400	0.0	0.0	8.14E-08	3.07E-06	2.48E-05	9.35E-05
2	C	30	29	1668.03	1	4342.18	2.3030	C.0400	2.07E-04	5.60E-03	1.37E-C2	1.90F-02	2.12E-02	2.136-02
2	0	72	71	9667.11	1	4343.71	2.3022	0.0400	0 • C	0.0	1.22E-07	4 - 15E-06	3.14E-05	1 - 1 3E-04
2	С	31	30	1782.72	1	4343.79	1205.2	0.0400	1.24E-04	4.43E-03	1 • 19E-02	1.73E-02	1.985-02	5.05E-05
2	G	71	7¢	5402.94	1	4345.28	2.3013	0.0400	0.0	0.0	1.83F-07	5.57E-06	3.97E-05	1.37E-04
2	C	32	31	1901.19	1	4345.32	2.3013	0.0400	7.33E-05	3.47F-03	1.03F-02	1.56E-02	1.84F-02	1.91E-02
2	٥	33	32	2023.43	1	4346.77	2.3006	C-6400	4.245-05	2.69F-03	8.76E-03	1.40E-02	1.70F-02	1.80E-02
2	C	7 Ç	69	9142.25	1	4346.78	2.3006	C.0400	0.0	0.0	2.71F-07	7.46E-06	4.985-05	1.65E-04
2	0	34	33	2145.44	1	4348.15	2.2998	C.0400	2.40E-05	2.06E-03	7.43E-03	1.25E-02	1.565-02	1.69E-02
2	c	69	68	8885.04	ì	4348.19	2.2598	0.0400	C • C	0.0	4.01E-C7	9.93E-06	6.24E-05	1.99E-04
2	٥	35,	34	2279.20	1	4349.46	2.2991	0.0406	1.34E-05	1.56F-03	6.26E-03	1.11E-02	1.43E-02	. 1.58E-02
2	c	€8	67	8631.33	1	4349.52	2.2991	C.0400	0 • C	0.0	5.88E-07	1.32E-05	7.79E-05	2.38E-04
2	¢	36	35	2412.73		4350.69	2.2985	C.0400	7.30F-06	1.186-03	5.24E-03	9.77E-03	1.30E-02	1.47E-02
5	С	67	66	6361.13	1	4350.77	2.2984	C.0400	G • C	0.0	8.58E-07	1.74E-05	9.69E-05	2.85E-04

٧L	٧ı	JL	JL	LCWER	COCE	WAVF	WAVE	HALF	****	** INTEGRAT	ED ** ABSCF	PTICN ** CO	EFFICIENT *	****
				STATE		VONGE #	LENCTH	hICT H			Ch-5*	A T N — 1		
				FNERGY		CM-1	MICRCN	VS	T = 300	T = 6CC	T = 90¢	T = 1200	T = 1500	T = 1800
2	С	37	36	2550.01	1	4351.85	2.2979	0.0486	3.91F-06	8.766-04	4.35E-03	8.58E-03	1.18F-C?	1.36E-02
ā	č	66	65	£134.45		4351.94	2.2978	C.0400	0.0	0.0	1.20E-06	2.298-05	1.20E-04	3.39E-04
		36	37	2491.03		14352.93	2.2973	0.0460	5.09E-09	6.46E-C4	3.598-03	7.49E-03	1.07E-02	1.26E-02
, 5,	Č	6 5	64	7891.29	_	4353.03	2.2973	C • 0 4 C C	G • C	0.0	1.80E-C6	2.995-05	1.48F-04	4.026-04
2	č	35	35	2435.80		4353.93	2.2968	C.C4C0	1.C6E-06	4.72F-C4	2.94F-03	6.51E-03	9.59E-03	1.16E-02
2	Ċ	64	63	7651.67		4354.C4	2.2967	0.0400	0.0	0.0	2.57E-06	3.90E-05	1.82E-04	4.76E-04
2	Ċ	4.0	35	2984.30		4354.86	2.2963	C.0400	5.38E-C7	3.41E-C4	2.40F-03	5.62E-03	8.58E-03	1.06E-02
2	c	63	62	7415.00	1	4354.98	2.2962	C.04C0	0.0	1.516-08	3.67E-C6	5.CSE-05	2.23E-04	5.62E-04
2	С	41	4 C	3136.53	1	4355.71	2.2958	0.0400	2.67E-07	2.44E-C4	1.94E-03	4.83F-03	7.65E-03	9.72E-03
2	¢	62	61	71.63.08	1	4355.83	2.2<58	C.C40C	0.0	2.58F-08	5.19E-06	6.525-05	2.72E-04	6.61F-04
2	C	42	41	3292.48	1	4356.49	2.2954	C.G400	1.30F-07	1.73F-C4	1.56F-C3	4.13F-03	6.80E-03	8.85E-03
2	c	€1	€Ĉ	€954.12	1	4356.61	2.2954	0.0400	0.0	4.355-08	7.31E-C6	e.37E-05	3.31E-04	7.756-04
2	C	43	42	3452.15	1	4357.19	2.2951	C.0400	6.256-08	1.22E-C4	1.24E-07	3.52F-03	6.01E-03	8.03E-03
2	C	€¢.	59	€728.75	1	4357.3C	2.2950	C.040C	0.0	7.30F-08	1.C2F-05	1 • C7F-04	4.01E-04	9.055-04
Z	¢	44	43	3615.54	1	, 4357.81	2.2947	0.2400	2.94E-08	8.486-05	9.876-04	2.986-03	5.29E-03	7.26F-03
2	C	5 4	5.6	£506.95	1	4357.92	2.2947	C.0400	0.0	1.216-07	1.43E-C5	1.375-04	4 • 85F 04	1.06E-03
2	¢	45	44	3782.62	. 1	4358.36	2.2944	6.0400	1.36E-08	5.85F-CF	7.78F-04	2.51F-03	4.64E-03	6.54E-03
2	Ç	5 P	57	62F8.75		4358.46	2.2944	C.C400	C.O	2.00E-07	1.97E-C5	1.73F-04	5-85F-04	1.236-03
2	C	46	4 5	1957.41	1	4350.27	2.2942	C.C4C0	O • C	4.GCE-05	6.09E-04	2.10F-03	4.05E-07	5.87E-03
2	С	∉ 7	56	6074.14	1	4358.92	2.2941	C.04G0	0.0	3.27F-07	2.726-05	2 • 1 SE-04	7 - C2E-04	E0-3E4.1
5	C	47	46	4127.89		4359.23	2.2940	C.0400	0.0	2.70F-05	4.74E-04	1.76E-03	3.53E-03	5.25E-03
2	С	56	- 5	5963.14	_	4359.3C	2.2535	C.04CC	0.0	5.30E-07	3.72E-05	2.76F-04	8.40E-04	1.656-03
2	¢	46	47	4306.05		4359.54	2.2938	C.040C	0.0	1.81E-CF	3.66F-C4	1.465-03	3.050-03	4.68F-03
2	Ç	e e	54	ee55.77	-	4359.60	2.2936	C.C4CC	0.0	A - 52F - C7	5.06F-05	3.45E-04	1.00E-03	1.90E-03
2	C	45	48	4467.89		4355.78	2.2537	0.0400	0.0	1.20F-05	2.81F-C4	1.204-03	2.64E-03	4.16E-03
2	С	54	5.7	#452.01		4355.82	2.2537	0.0400	0.0	1.75E-06	6 + 84F - C5	4.3CF-C4	1.19F-03	2.18E-03
2	¢	5 C	49	4673.4C		4359.95	2.2936	C.C400	0.0	7.92F-06	2.15E-04	9.89E-04	2.26E-03	3.68E-03
2	C	57	52	25.1.93	-	4359.97	2.2936	0.0400	0.0	2.14F-06	9.20E-05	5.34E-04	1.40E-03	2.50E-03
5	C	£ 1	5 C	4862.58		4360.03	2.293€	C.C4CC	0.0	5•17F-0€	1.63F-C4	8.095-04	1.945-03	3.25E-03
2	C	e 2	rt 1	F055.41	1	4360.04	2.2936	0.0400	0.0	3.34⊑-0€	1.23E-04	6.59E-04	1.656-02	2.85E-03

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Table 6—Second overtone band of CO, $T=300-1800\,^{\circ}K$. The total number of lines included is 3558. For temperatures less than 1800 $^{\circ}K$, the line intensities were set equal to zero for intensities less than approximately 1×10^{-10} The line intensities correspond to an absorption coefficient per unit length per unit pressure at NTP conditions.

VU	٧L	JU	JL	LOWER State	CODE	WAVE	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT		SORPTION ** COE -2*ATM-1	FFICIENT *	*****
				ENERGY		CM-1	MICPON	NS	T = 300	$\tau = 600$	T = 900	0 T = 1200	T = 1500	T = 1800
13	10	68	69	28546.96	1	5088.50	1.9652	0.0400	0.0	0.0	0.0	0.0	0.0	2.75E-11
12	9	Ź5	76	28460.70	1	5088.69	1.9651	0.0400	0.0	0.0	0.0	0.0	0.0	2.325-11
14	11	60	61	28586.38	1	5092.93	1.9635	0.0400	0.0	0.0	0.0	0.0	0.0	3.22E-11
11	8	81	82	28255.82	1	5095.64	1.9625	0.0400	0.0	0.0	0.0	0.0	0.0	2.06F-11
13	10	67	68	28313.86	1	5098.76	1.9613	0.0400	0.0	0.0	0.0	0.0	0.0	3.28E-11
10	7	87	88	28169.73	1	5099.03	1.9612	0.0400	0.0	0.0	0.0	0.0	0.0	1.67E-11
12	9	74	75	28203.20	1	5099.64	1.9609	0.0400	0.0	0.0	0.0	0.0	0.0	2.83E-11
14	11	59	60	28380.87	1	5102.40	1.9599	0.0400	0.0	0.0	0.0	0+0	0.0	3.74E-11
11	B	80	81	27977.05	1	5107.19	1.9580	0.0400	0.0	0.0	0.0	0.0	0.0	2.55E-11
13	10	66	67	28083.91	1	5108.92	1.9574	0.0400	0.0	0.0	0.0	0.0	0.0	3.89E-11
12	9	73	74	27948.82	1	5110.50	1.9568	0.0400	0.0	0.0	0.0	0.0	0.0	3.435-11
10	7	86	87	27869.71	1	5111.1€	1.9565	0.0400	0.0	0.0	0.0	0.0	0.0	2.11E-11
14	11	58	59	28178.56	1	5111.77	1.9563	0.0400	0.0	0.0	0.0	0.0	0.0	4.35F-11
11	8	75	80	27701.36	1	5118.65	1.9536	0.0400	0.0	0.0	0.0	0.0	0.0	3.16E-11
13	10	65	66	27857.12	1.	5119.00	1.9535	0.0400	0.0	0.0	0.0	0.40	0.0	4.61E-11
14	1 1	57	58	27979.44	1	5121.04	1.9527	0.0400	0.0	0.0	0.0	0.0	0.0	5.055-11
12	9	72	73	27697.55	1	5121.27	1.9526	0.0400	0.0	0.0	0.0	0.0	0.0	4.16E-11
10	7	85	86	27572.73	1	5123.21	1.9519	0.0400	0.0	0.0	0.0	0.0	ó.o `	2.66E-11
9	6	91	92	27563,95	1	5124.23	1.9515	0.0400	0.0	0.0	0.0	0.0	0.0	1.78E-11
13	10	64	65	27633.50	1	5128.97	1.9497	0.0400	0.0	0.0	0.0	0.0	0.0	5.45E-11
11	8	78	79	27428.76	1	5130.01	1.9493	0.0400	0.0	0.0	0.0	0.0	0.0	3.89E-11
14	11	56	57	27783.53	7	5130.22	1.9492	0.0400	0.0	0.0	0.0	0.0	0.0	5.84E-11
12	9	71	72	27449.42	1	5131.95	1.9486	0.0400	0.0	0.0	0.0	0.0	0.0	5.02E-11
8	5	96	97	27339.41	1	5134.85	1.9475	0.0400	0.0	0.0	0.0	0.0	0.0	1 • 4 1 E-1 1
10	7	84	85	27278.79		5135.16	1.9474	0.0400	0.0	0.0	0.0	0.0	0.0	3.34E-11
9	6	90	91	27248.71	1	5136.77	1.9467	0.0400	0.0	0.0	0.0	0.0	0.0	2.27E-11
13	10	63	64	27413.06	1	5138.86	1.9460	0.0400	0.0	0.0	0.0	0.0	0.0	6.43E-11
14	11	55	56	27590.84	1	5139.30	1.9458	0.0400	0.0	0.0	0.0	0.0	0.0	6.746-11
11	8	77	78	27159.25	1	5141.28	1.9450	0.0400	0.0	0.0	0.0	0.0	0.0	4.79F-11
12	9	70	71	27204.43		5142.53	1.9446	0.0400	0.0	0.0	0.0	0.0	0+0	6.04F-11
10	7	83	84	26987.90		5147.03	1.9429	0.0400	0.0	0.0	0.0	0.0	0.0	4.18E-11
8	. 5	95	96	27005.92		5147.88	1.9425	0.0400	0.0	0.0	0.0	0.0	0.0	1.83E-11
14	11	54	55	27401.37		5148.29	1.9424	0.0400	0.0	0.0	0.0	0.0	0.0	7.76F-11
13	10 6	62 89	63 90	27195.80		5148.64	1.9423	0.0400	0.0	0.0	0.0	0.0	0.0	7.55F-11
11	8	76	77	26936.49 26892.85		5149.22	1.9420	0.0400	0.0	0.0	0.0	0.0	0.0	2.88E-11
12	9	69	70	26962.59		5152.46 5153.01	1.9408	0.0400	0.0	0.0	0.0	0.0	0.0	5.88E-11
7		100		26845.17	l i	5156.57	1.9406 1.9393	0.0400 0.0400	0.0	0.0	0.0	0.0	0.0	7-265-11
14	11	53	54	27215.13		5157-18	1.9390	0.0400	0.0	0.0	0.0	0 • 0 0 • 0	0.0 0.0	1.28E-11 8.90E-11
13	10	61	62	26981.75		5158.34	1.9386	0.0400	0.0	0.0	0.0	0.0	0.0	8.85E-11
10	7	92	83	26700.09		5158.80	1.9384	0.0400	0.0	0.0	0.0	0.0	0.0	5.226-11
8	5	94	95	26675.41		5160.82	1.9377	0.0400	0.0	0.0	0.0	0.0	0.0	2.36E-11
9	6	88	89	26627.30		5161.57	1.9374	0.0400	0.0	0.0	0.0	0.0	0.0	3.66F-11
12	9	68	69	26723.91	1	5163.41	1.9367	0.0400	0.0	0.0	0.0	0.0	0.0	8.69E-11
11	8	75	76	26629.57		5163.54	1.9367	0.0400	0.0	0.0	0.0	0.0	0.0	7.196-11
14	11	52	53	27032.14		5165.97	1.9357	0.0400	0.0	0.0	0.0	0.0	0.0	1.02E-10
13	10	60	61	26770.90		5167.93	1.9350	0.0400	0.0	0.0	0.0	0.0	0.0	1.03E-10
7	4		100	26496.37	î	5169.99	1.9342	0.0400	0.0	0.0	0.0	0.0	0.0	1.685-11
10	7	81	82	26415.37		5170.48	1.9341	0.0400	0.0	0.0	0.0	0.0	0.0	6.51E-11
8	5	93	94	26347.89		5173.67	1.9329	0.0400	0.0	0.0	0.0	0.0	0.0	3.03E-11
12	9	67	68	26488.41	1	5173.70	1.9329	0.0400	0.0	0.0	0.0	0.0	0.0	1.04E-10
9	6	87	88	26321.15		5173.84	1.9328	0.0400	0.0	0.0	0.0	0.0	0.0	4.65E-11
11	8	74	75	26369.43		5174.54	1.9325	0.0400	0.0	0.0	0.0	0.0	0.0	8.77E-11
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VU	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LFNGTH	HALF Width	*****		CM-2	RPTION ** CO		
				ENERGY		CM-1	MICRON	И2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
14	11	51	52	26852.39	1	5174.66	1.9325	0.0400	0.0	0.0	0.0	0.0	0.0	1-16E-10
13	10	59	60	26563.26	1	5177.44	1.9315	0.0400	0.0	0.0	0.0	0.0	0.0	1.20E-10
10	7	80	81	26133.74	1	5182.06	1.9297	0.0400	0.0	0.0	0.0	0.0	0.0	8.09E-11
14	l I	50	51	26675.90	1	5183.26	1.9293	0.0400	0.0	0.0	0.0	0.0	0.0	1.325-10
7	4	98	99	26150.54	1	5183.33	1.9293	0.0400	0.0	0.0	0.0	0.0	0.0	2.20E-11
12	. 9	66	67	26256.09	1	5183.91	1.9290	0.0400	0.0	0.0	0.0	0.0	0.0	1.24E-10
11	8	73	74	26112.42	1	5185.43	1.9285	0.0400	0.0	0.0	0.0	0.0	0.0	1.07E-10
9	6	86	87	26018.06	1	5186.02	1.9283	0.0400	0.0	0.0	0.0	0.0	0.0	5.88E-11
8	5	92	93	26023.39	1	5186.43	1.9281	0.0400	0.0	0.0	0.0	0.0	0.0	3.89E-11
13	10	58	59	26358.85	7	5186.84	1.9280	0.0400	0.0	0.0	0.0	0.0	0.0	1.40E-10
6	3		104	26035.98	t	5190.57	1.9266	0.0400	0.0	0.0	0.0	0.0	0.0	1.35E-11 1.49E-10
14	11	49	50	26502.68	1	5191.77	1.9261	0.0400	0.0	0.0	0.0	0.0 0.0	0.0	1.49E-10
10	7	79	80	25855.22	ı	5193.56	1.9255	0.0400	0.0	0.0	0.0	•	0.0	1.47E-10
12	9	65	66	26026.96	ī	5194.02	1.9253	0.0400	0.0	0.0	0.0	0.0	0.0	1.63E-10
13	10	57	58	26157.68	1	5196.15	1.9245	0.0400	0.0	0.0	0.0	0.0	0.0	1.29E-10
11	8	72	73	25858.57	1	5196.24	1.9245	0.0400	0.0	0.0	0.0	0.0	0.0	2.87E-11
7	4	97	98	25807.67	1	5196.58	1.9243	0.0400 0.0400	0.0 0.0	0.0 0.0	0.0	0.0	0.0	7.43E-11
9	6 5	85	86	25718.04	1	5198.10 5199.10	1.9238 1.9234	0.0400	0.0	0.0	0.0	0.0	0.0	4.98E-11
8 14	11	91 48	92 49	25701.90 26332.73	1	5200.17	1.9230	0.0400	0.0	0.0	0.0	0.0	0.0	1.69E-10
12	9	64	65	25801.04	î	5204.03	1.9216	0.0400	0.0	0.0	0.0	0.0	0.0	1.746-10
6	3			25674.78	1	5204.30	1.9215	0.0400	0.0	0.0	0.0	0.0	0.0	1.79E-11
10	7	78	79	25579.82	ī	5204.96	1.9212	0.0400	0.0	0.0	0.0	0.0	0.0	1.24E-10
13	10	56	57	25959.75	ĩ	5205.37	1.9211	0.0400	0.0	0.0	0.0	0.0	0.0	1.895-10
11	8	71	72	25607.89	ī	5206.95	1.9205	0.0400	0.0	0.0	0.0	0.0	0.0	1.57E-10
14	11	47	48	26166.05	ī	5208.48	1.9199	0.0400	0.0	0.0	0.0	0.0	0.0	1.90E-10
7	4	96	97	25467.79	1	5209.74	1.9195	0.0400	0.0	0.0	0.0	0.0	0.0	3.73E-11
9	6	84	85	25421.09	1	5210.09	1.9194	0.0400	0.0	0.0	0.0	0.0	0.0	9.35E-11
а	5	90	91	25383.46	1	5211.67	1.9188	0.0400	0.0	0.0	0.0	0.0	0.0	6.36E-11
12	9	63	64	25578.32	1	5213.95	1.9179	0.0400	0.0	0.0	0.0	0.0	0.0	2.05E-10
13	10	55	56	25765.06	1	5214.49	1.9177	0.0400	0.0	0.0	0.0	0.0	0.0	2.19E-10
10	7	77	78	25307,56	1	5216.27	1.9171	0.0400	0.0	0.0	0.0	0.0	0.0	1.53E-10
14	11	46	47	26002.67	1	5216.69	1.9169	0.0400	0.0	0.0	0.0	0.0	0.0	2.14E-10
11	8	70	71	25360.39	1	5217.57	1.9166	0.0400	0.0	0.0	0.0	0.0	0.0	1.895-10
6	3	101		25316.52	1	5217.95	1.9165	0.0400	0.0	0.0	0.0	0.0	0.0	2.37E-11
9	6	83	84	25127.25	1	5221.99	1.9150	0.0400	0.0	0.0	0.0	0.0	0.0	1.17E-10
7	4	95	96	25130.91	1	5222.80	1.9147	0.0400	0.0	0.0	0.0	0.0	0.0	4.83E-11
13	10	54	55	25573.64	1	5223.51	1.9144	0.0400	0.0	0.0	0.0	0.0	0.0	2.52E-10 1.22E-11
5	2	106		25248.79	1	5223.75	1.9143	0.0400	0.0	0.0	0.0	0.0	0.0	2.41F-10
12	9	62	63	25358.84	1	5223.78	1.9143	0-0400	0.0	0.0	0.0	0.0 0.0	0.0	8.10E-11
8	. 5	89	90	25068.06	1	5224.16	1.9142	0.0400	0.0	0.0	0.0	0.0	0.0	2.39E-10
14	11		46	25842.57		5224.80	1.9139 1.9130	0.0400	0.0 0.0	0.0	0.0	0.0	0.0	1.88E-10
10	7 8	76	77 70	25038.44	1	5227.48 5228.09	1.9127	0.0400	0.0	0.0	0.0	. 0 • 0	0.0	2.27E-10
11 6		69 100		25116.07 24961.22	1	5231.50	1.9115	0.0400	0.0	0.0	0.0	0.0	0.0	3.12F-11
13	10	53	54	25385.48	ì	5232.44	1.9112	0.0400	0.0	0.0	0.0	0.0	0.0	2.90E-10
14	ıi	44	45	25685.79	-1	5232.82	1.9110	0.0400	0.0	0.0	0.0	0.0	0.0	2.67E-10
12	9	61	62	25142.58	ì	5233.51	1.9108	0.0400	0.0	0.0	0.0	0.0	0.0	2.83E-10
9	6	82	83	24836.50	î	5233.80	1.9107	0.0400	0.0	0.0	0.0	0.0	0.0	1.47E-10
7	4	94	95	24797.05	î	5235.78	1.9099	0.0400	0.0	0.0	0.0	0.0	0.0	6.25E-11
8	5	ée	89	24755.73	i	5236.56	1.9097	0.0400	0.0	0.0	0.0	0.0	0.0	1.03E-10
5		105		24875.10	1	5237.79	1.9092	0-0400	0.0	0.0	0.0	0.0	0.0	1.64E-11
11	ē	68	69	24874.95		5238.52	1.9089	0.0400	0.0	ò.o	0.0	0.0	0.0	2.73E-10

	VU	٧Ł	บบ	JL	LOWER State	CODE	WAVE Numher	WAVE LENGTH	HALF WIDTH	*****	*** INTEGRAT		RPTION ** CO	EFFICIENT *	*****
14 11 43 44 28522.30 1 5240.74					ENERGY	2	CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
14 11 43 44 25522.30 1 5240.74	10	7	75	76	24772.47	1	5238.61	1.9089	0.0400	0.0	0.0	0.0	0.0	0.0	2.30E-10
13 10 52 53 58300.61 1 5241.26 1.9079 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	14	11	43	44	25532.30	1	5240.74	1.9081	0.0400	0.0	0.0	0.0	0.0		
6 3 99 100 24508.89 1 5244.97 1,9065 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0								1.9079	0.0400	0.0	0.0	0.0	0.0	0.0	
9 6 81 82 2458.88 1 5245.52 1.9004 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.44E-10 14 11 42 43 25528213 1 5248.56 1.9053 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.29E-10 7 4 93 94 24466.21 1 5248.67 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.31F-10 11 8 67 68 24637.04 1 5248.68 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.31F-10 11 8 67 68 24637.04 1 5248.68 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.27E-10 13 7 7 4 7 52 2550.67 1 5249.65 1.9049 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.27E-10 13 17 4 7 52 2505.07 1 5249.65 1.9049 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.27E-10 13 17 4 17 52 2505.07 1 5229.60 1.9049 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.27E-10 13 17 4 19 52 2504.34 1 5251.70 1.9041 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.76E-11 14 11 41 42 25235.28 1 5256.11 1.9025 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.76E-11 14 11 41 42 25235.28 1 5256.11 1.9025 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0						1			0.0400	0.0	0.0	0.0	0.0	0.0	3.32E-10
14 11 42 43 25382.13 1 5249.65 1.9053 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.29E-10 7 4 93 99 42446.21 1 5248.67 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0										0.0	0.0	0.0	0.0	0.0	4.10F-11
7 4 93 94 24466.21 1 5248.67 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.31F-10 11 8 67 68 24646.47 1 5248.68 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.31F-10 11 8 67 68 24037.04 1 5248.68 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.27F-10 12 17 7 75 2430.67 1 5249.63 1.9049 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.27F-10 13 17 7 47 52 2430.67 1 5249.63 1.9049 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.27F-10 14 11 8 67 68 25019.07 1 5228.00 1.9049 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0										0.0	0.0	0.0	0.0	0.0	1.84E-10
8 5 87 88 2446.47 1 3249.66 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.31m-10 11 8 67 68 2467.04 1 5249.86 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.27E-10 10 7 74 75 24509.67 1 5249.83 1.9049 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.27E-10 13 10 5 13 22 5019.01 1 5259.03 1.9048 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.75E-10 15 2 104 105 24504.34 1 5251.74 1.9041 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.75E-10 16 7 65 62 621674.60 2 5252.68 1.9039 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.87E-10 17 65 66 21674.60 2 5252.68 1.9039 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.87E-10 18 10 11 12 9 59 60 24719.80 1 5251.74 1.9041 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
11 8 67 68 2637,04 1 5248,66 1.9052 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.2 3.27-10 10 7 74 75 2259,067 1 5249,63 1.9099 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.76-10 13 10 51 52 23019,01 1 5250.00 1.9048 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.76-11 12 9 59 60 24719.80 1 5251.74 1.9041 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.76-11 12 11 12 12 12 12 12 12 12 12 12 12 12 1													0.0	0.0	8.07E-11
10 7 74 75 24509.67 1 \$249.63 1.9049 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.75e-10 13 10 5 52 2509.01 1 \$2509.00 1.9048 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.75e-10 12 9 59 60 24710.80 1 \$2521.68 1.9038 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.87e-10 10 7 65 66 21674.64 2 \$2547.79 1.9030 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0							•								
13 10 51 52 25019.01 1 5250.00 1.00048 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
S 104 105 24504.334 1 5251.74 1.9041 0.0040 0.0															
12 9 59 60 24719,90 1 \$252,68 1,9028 0,0000 0,															
10 7 65 66 21694_06 2 S253.79 1.0000 0.000 0.0 0.0 0.0 0.0 0.0 0.0 0.															
4 1 109 110 24494.04 1 5256.11 1.9025 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.64E-10 9 6 80 81 24264.39 1 5257.14 1.9022 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0								•							
14 11 41 42 22235,28 1 5255,28 1 1,9025 0,0400 0,0 0,0 0,0 0,0 0,0 0,0 3,64E-10 9 6 80 81 24264,39 1 5257,84 1,9022 0,0400 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0															
9 6 80 81 24264.39 1 5257.14 1.9022 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.29E-10 6 9 6 72 73 21432.71 2 5257.84 1.9019 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
9 6 72 73 21432.71 2 5257.84 1.0019 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0					-										
6 3 98 99 24259.57 1 5258.34 1.9017 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
13 10 50 51 24800,71 1 5283.63 1.9016 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
11 8 66 67 24402.34 1 5259.1C 1.9015 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.90E-10 10 7 73 74 24250.05 1 5260.67 1.9009 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
10 7 73 74 24250.05 1 5260.67 1.9009 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.67F-10 1.6															
8 5 86 87 24140.31 1 5261.08 1.0008 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.67F-10															
7 4 92 93 24138.43 1 5261.47 1.9006 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.04E-10 12 9 58 59 24513.30 1 5262.12 1.9004 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0															
12 9 58 59 24513.30 1 5262.12 1.9004 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.53E-10 14 11 40 41 25991.76 1 5265.90 1.8997 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
14 11 40 41 25091.76 1 5263.90 1.8997 0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
10 7 64 65 21433.60 2 5264.31 1.8996 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.11E-11 5 2 103 104 24136.54 1 5265.60 1.9991 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
\$ 2 103 104 24136.54 1 5265.60 1.8991 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.91F-11 8 5 78 79 21102.53 2 5267.11 1.8986 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
8 5 78 79 21102.53 2 5267.11 1.8986 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
13 10 49 50 24665.70 1 5267.17 1:8986 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.59E-10 9 6 71 72 21187.44 2 5266.01 1.8983 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.59E-11 11 8 65 66 24170.88 1 5265.25 1.8978 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
9 6 71 72 21187.44 2 5266.01 1.8983 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.59E-11 9 6 79 80 23983.04 1 5268.67 1.8980 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			_												
9 6 79 80 23983.04 1 5268.67 1.8980 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.885=10 11 8 65 66 24170.88 1 5269.25 1.8978 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
11 8 65 66 24170.88 1 5269.25 1.8978 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.464E-10 4 1 108 109 24097.80 1 5270.46 1.8974 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.17F-11 10 7 72 73 23993.62 1 5271.41 1.8970 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0															
4 1 108 109 24097.80 1 5270.46 1.8974 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.17F-11 10 7 72 73 23993.62 1 5271.41 1.8970 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.18E-10 14 11 39 40 24951.57 1 5271.42 1.8970 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	11	8													
10 7 72 73 23993.62 1 5271.41 1.8970 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4	1													
14 11 39 40 24951.57 1 5271.42 1.8970 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	10														
12 9 57 58 24310.07 1 5271.47 1.8970 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.27E-10 6 3 97 98 23913.24 1 5271.63 1.8969 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.03E-11 8 5 85 86 23837.25 1 5273.20 1.8964 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	14	11	39	40											
6 3 97 98 23913.24 1 5271.63 1.8969 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.03E-11 8 5 85 86 23837.25 1 5273.20 1.8964 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	12	9	57	58	24310.07	ì									
8 5 85 86 23837.25 1 5273.20 1.8964 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.11E-10 10 7 63 64 21215.71 2 5273.74 1.8962 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.66E-11 7 4 91 92 23813.70 1 5274.17 1.8960 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.33E-10 13 10 48 49 24494.01 1 5275.61 1.8955 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.54E-10 8 5 77 78 20836.14 2 5277.84 1.8947 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.29E-11 9 6 70 71 20945.30 2 5278.10 1.8946 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.11E-11 14 11 38 39 24814.72 1 5278.85 1.8944 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	6	3	97	98	23913.24	1									
10 7 63 64 21215.71 2 5273.74 1.8962 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.66E-11 7 4 91 92 23813.70 1 5274.17 1.8960 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.33E-10 13 10 48 49 24494.01 1 5275.61 1.8955 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.54E-10 8 5 77 78 20836.14 2 5277.84 1.8947 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	8	5	85	86	23837.25	1									
7 4 91 92 23813.70 1 5274.17 1.8960 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.33E-10 13 10 48 49 24494.01 1 5275.61 1.8955 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.54E-10 8 5 77 78 20836.14 2 5277.84 1.8947 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	10	7	63	64	21215.71	2	5273.74								
13 10 48 49 24494.01 1 5275.61 1.8955 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.54E-10 8 5 77 78 20836.14 2 5277.84 1.8947 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7	4	91	92	23813.70	1	5274.17	1.8960	0.0400						
8 5 77 78 20836.14 2 5277.84 1.8947 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.29E-11 9 6 70 71 20945.30 2 5278.10 1.8946 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.11E-11 14 11 38 39 24814.72 1 5278.85 1.8944 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	13	10	48	49	24494.01	1	5275.61	t •8955	0.0400						
9 6 70 71 20945.30 2 5278.10 1.8946 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.11E-11 14 11 38 39 24814.72 1 5278.85 1.8944 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.81E-10 11 8 64 65 23942.65 1 5279.30 1.8942 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 5.50E-10 5 2 102 103 23771.70 1 5279.37 1.8942 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.87E-11 9 6 78 79 23704.85 1 5280.11 1.8939 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.53E-10 12 9 56 57 24110.11 1 5280.72 1.8937 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.12E-10 10 7 71 72 23740.39 1 5282.16 1.8932 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.07E-10 10 7 62 63 21001.00 2 5283.08 1.8928 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	8	5	77	78	20836.14	2	5277.84	1.8947	0.0400						
14 11 38 39 24814.72 1 5278.85 1.8944 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.61E-10 11 8 64 65 23942.65 1 5279.30 1.8942 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 5.50E-10 5 2 102 103 23771.70 1 5279.37 1.8942 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.63FE-11 9 6 78 79 23704.65 1 5280.11 1.8939 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.53F-10 12 9 56 57 24110.11 1 5280.72 1.8937 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 6.12E-10 10 7 71 72 23740.39 1 5282.16 1.8932 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 5.07E-10 10 7 62 63 21001.00 2 5283.08 1.8928 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.29E-11	9	6	70	71	20945.30	2	5278.10	1.8946	0.0400						
11 8 64 65 23942.65 1 5279.30 1.8942 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 5.50E-10 5 2 102 103 23771.70 1 5279.37 1.8942 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.87E-11 9 6 78 79 23704.85 1 5280.11 1.8939 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.53F-10 12 9 56 57 24110.11 1 5280.72 1.8937 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.12E-10 10 7 71 72 23740.39 1 5282.16 1.8932 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.07E-10 10 7 62 63 21001.00 2 5283.08 1.8928 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	14	11	38	39	24814.72	1	5278.85	1.8944	0.0400	0.0	0.0	0.0			
5 2 102 103 23771.70 1 5279.37 1.8942 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.67E-11 9 6 78 79 23704.65 1 5280.11 1.8939 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.53E-10 12 9 56 57 24110.11 1 5280.72 1.8937 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 6.12E-10 10 7 71 72 23740.39 1 5282.16 1.8932 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.07E-10 10 7 62 63 21001.00 2 5283.08 1.8928 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.29E-11		_					5279.30	1.8942	0.0400	0.0	0.0				
9 6 78 79 23704.85 1 5280.11 1.8939 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 3.53F-10 12 9 56 57 24110.11 1 5280.72 1.8937 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 6.12E-10 10 7 71 72 23740.39 1 5282.16 1.8932 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 5.07E-10 10 7 62 63 21001.00 2 5283.08 1.8928 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.29E-11	5	2	102	103			5279.37	1.8942	0.0400	0.0	0.0	0.0	0.0	0.0	
12 9 56 57 24110.11 1 5280.72 1.8937 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 6.12E-10 10 7 71 72 23740.39 1 5282.16 1.8932 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 5.07E-10 10 7 62 63 21001.00 2 5283.08 1.8928 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 4.29E-11						i	5280.11	1.8939	0.0400						
10 7 71 72 23740.39 1 5282.16 1.8932 0.0400 0.0 0.0 0.0 0.0 0.0 5.07E-10 10 7 62 63 21001.00 2 5283.08 1.8928 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 4.29E-11		-							0.0400	0.0	0.0	0.0			
10 7 62 63 21001.00 2 5283.08 1.8928 0.0400 0.0 0.0 0.0 0.0 0.0 4.29E-11							5282.16	1.8932	0.0400	0.0	0.0	0.0	0.0		
13 10 47 48 24325.62 1 5283.96 1.8925 0.0400 0.0 0.0 0.0 0.0 0.0 6.25E-10									0.0400	0.0	0.0	0.0	0.0		
	13	10	47	48	24325.62	1	5283.96	1.8925	0.0400	0.0	0.0	0.0	0.0	0.0	6.25E-10

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HAŁF Width	******	*** INTEGRAT	ED **	ABSORPT		* COE	FFICIENT *	******
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	Τ =	900	T = 12	200	T = 1500	T = 1800
7	4	83	84	20602.01	2	5284.30	1.8924	0.0400	0.0	0.0	0.0		0.0		0.0	1.715-11
4	1	107		23714.48	1	5284.71	1.8923	0.0400	0.0	0.0	0.0		0.0		0.0	1.58E-11
6	3	96	97	23569.94	1	5284.83	1.8922	0.0400	0.0	0.0	0.0		0.0		0.0	9.16E-11
8	5	84	85	23537.30	1	5285.23	1.8921	0.0400	0.0	0.0	0.0		0.0		0.0	2.67E-10
14	11	37	38	24681.22	1	5286.18	1.8917	0.0400	0.0	0.0	0.0		0.0		0.0	5.25F-10
7	4	90	91	23492.04	1	5286.79	1.8915	0.0400	0.0	0.0	0.0		0.0		0.0	1.71E-10
9	6	69	70	20706.29	2	5288.10	1.8910	0.0400	0.0	0.0'	0.0		0.0		0.0	3.73E-11
8	5	76	77	20572.85	2	5288.49	1.8909	0.0400	0.0	0.0	0.0		0.0		0.0	2.81E-11
11	8	63	64	23717.67	1	5289.26	1.8906	0.0400	0.0	0.0	0.0		0.0		0.0	6.51E-10
12	9	55	56	23913.44	1	5289.88	1.8904	0.0400	0.0	0.0	0.0		0.0		0.0	7.09E-10
9	б	77	78	23429.83	1	5291.46	1.8898	0.0400	0.0	0.0	0.0		0.0		0.0	4.36E-10
13	10	46	47	24160.56	1	5292.21	1.8896	0.0400	0.0	0.0	0.0		0.0		0.0	7.03E-10
10	7	61	62	20789,45	2	5292.34	1.8895	0.0400	0.0	0.0	0.0		0.0		0.0	5.02E-11
10	7	70	71	23490.38	1	5292.82	1.8894	0.0400	0.0	0.0	0.0		0.0		0.0	6.13E-10
5	2	101	102	23409.84	1	5293.05	1.8893	0.0400	0.0	0.0	0.0		0.0		0.0	5 - 1 25-1 1
14	11	36	37	24551.07	1	5293.40	1.8891	0.0400	0.0	0.0	0.0		0.0		0.0	5.70E-10
7	4	82	83	20317.56	2	5295.51	1.8884	0.0400	0.0	0.0	0.0		0.0		0.0	2.145-11
8	5	83	84	23240.48	1	5297.17	1.8878	0.0400	0.0	0.0	0.0		0.0		0.0	3.36F-10
6	3	95	96	23229.68	ì	5297.93	1.8875	0.0400	0.0	0.0	0.0		0.0		0.0	1.19E-10
9	6	68	69	20470.42	2	5298.00	1.8875	0.0400	0.0	0.0	0.0		0.0		0.0	4.46E-11
4	1	106	107	23334.10	1	5298.87	1.8872	0.0400	0.0	0.0	0.0		0.0		0.0	2.12E-11
12	9	54	55	23720.06	1	5298.94	1.8872	0.0400	0.0	0.0	0.0		0.0		0.0	8.19E-10
8	5	75	76	20312.67	2	5299.05	1.8871	0.0400	0.0	0.0	0.0		0.0		0.0	3.43E-11
11	8	62	63	23495.95	1	5299.12	1.8871	0.0400	0.0	0.0	0.0		0.0		0.0	7.68E-10
7	4	89	90	23173.46	1	5299.31	1.8870	0.0400	0.0	0.0	0.0		0.0		0.0	2.18F-10
13	10	45	46	23998.83	1	5300.36	1.8867	0.0400	0.0	0.0	0.0		0.0		0.0	7.89E-10
14	11	35	36	24424.27	1	5300.53	1.8866	0.0400	0.0	0.0	0.0		0.0		0.0	6-18F-10
10	7	60	61	20581.09	2	5301.50	1.8863	0.0400	0.0	0.0	0.0		0.0		0.0	5.858-11
9	6	76	77	23157.98	1	5302.71	1.8858	0.0400	0.0	0.0	0.0		0.0		0.0	5.37E-10
10	7	69	70	23243.58	1	5303.38	1.8856	0.0400	0.0	0.0	0.0		0.0		0.0	7.39F-10
7	4	81	82	20036.19	2	5306.62	1.8844	0.0400	0.0	0.0	0.0		0.0		0.0	2.66F-11
5	2	100	101	23050.98	1	5306.65	1.8844	0.0400	0.0	0.0	0.0		0.0		0.0	6.77E-11
14	11	34	35	24300.84	1	5307.56	1.8841	0.0400	0.0	0.0	0.0		0.0		0.0	6.675-10
9.	6	67	68	20237.70	2	5307.82	1.8840	0.0400	0.0	0.0	0.0		0.0		0.0	5.32F-11
12	9	53	54	23529.98	1	5307.90	1.8840	0.0400	0.0	0.0	0.0		0.0		0.0	9.42F-10
13	10	44	45	23840.43	1	5308.41	1.8838	0.0400	0.0	0.0	0.0		0.0		0.0	8.81E-10
1 1	8	61	62	23277.50	1	5308.88	1.8836	0.0400	0.0	0.0	0.0		0.0		0.0	9.03E-10
8	5	62	83	22946.81	1	5309.01	1.8836	0.0400	0.0	0.0	0.0		0.0		0.0	4.225-10
8	5	74	75	20055.60	2	5309.52	1.8834	0.0400	0.0	0.0	0.0		0.0		0.0	4 • 1 7E-1 1
10	7	59	60	20375.92	2	5310.57	1.8830	0.0400	0.0	0.0	0.0		0.0		0.0	6.81E-11
6	3	87	88	19878.00	2	5310.85	1.8829	0.0400	0.0	0.0	0.0		0.0		0.0	1.69F-11
6	3	94	95	22892.46	1	5310.95	1.8829	0.0400	0.0	0.0	0.0		0.0		0.0	1.556-10
7	4	88	89	22857:99	1	5311.75	1.8826	0.0400	0.0	0.0	0.0		0.0		0.0	2.79E-10
4			106	22956.67	Ţ	5312.95	1.8822	0.0400	0.0	0.0	0.0		0.0		0.0	2.85E-11
10	7	68	69	23000.01	1	5313.85	1.8819	0.0400	0.0	0.0	0.0		0.0		0.0	8.89E-10
9	6	75	76	22889.33	Ţ	5313.87	1.8819	0.0400	0.0	0.0	0.0		0.0		0.0	6.60E-10
14	11	33	34	24180.77	1	5314.49	1.8816	0.0400	0.0	0.0,	0.0		0.0		0.0	7.17E-10
13 12	10	43 52	44	23685.38	1	5316.36	1.8810	0.0400	0.0	0.0	0.0		0.0		0.0	9.82F-10
12	-		53	23343.22	1	5316.77	1.8808	0.0400	0.0	0.0	0.0		0.0		0.0	1.0AE-09
7	6 4	66 80	67 81	20008-15	2	5317.56	1.8806	0.0400	0.0	0.0	0.0		0.0		0.0	6.33E-11
11	8	60	61	19757.90	2	5317.65	1.8805	0.0400	0.0	0.0	0.0		0.0		0.0	3.30E-11
10	7	58	59	20173.95	1 2	5318.56	1.8802	, 0. 0400 0. 0400	0.0	0.0	0.0		0.0		0.0	1.06F-09
10	,	J.C	- >	~~	~	5319.56	1.8799	0.0400	0.0	0.40	0.0		0.0		0.0	7.93E-11

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VU	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT	ED ** A	SORPTION ** COS	FFICIENT *	*****
				STATE		NUMBER	LENGTH	WIDTH			C!	M-2*ATM-1		
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 96	00 T = 1200	T = 1500	T = 1800
				4.14.10,			.,		. •					
8	5	73	74	19801.66	2	5319.90	1.8797	0.0400	0.0	0.0	0.0	0.0	0.0	5.07E-11
5	2		100	22695.13	1.	5320.15	1.8796	0.0400	0.0	0.0	0.0	0.0	0.0	8.92E-11
8	5	81	82	22656.29	1	5320.77	1.8794	0.0400	0.0	0.0	0.0	0.0	0.0	5.28E-10
14	11	32	33	24064.08	ī	5321.32	1.8792	0.0400	0.0	0.0	0.0	0.0	0.0	7.68E-10
6	3	86	87	19578.50	2	5322.43	1.8788	0.0400	0.0	0.0	0.0	0.0	0.0	2-14E-11
6	3	93	94	22558.31	ī	5323.87	1.8783	0.0400	0.0	0.0	0.0	0.0	0.0	2.00E-10
7	4	87	88	22545.62		5324.09	1.8783	0.0400	0.0	0.0	0.0	0.0	0.0	3.56E-10
13	10	42	43	23533.68		5324.22	1.8782	0.0400	0.0	0.0	0.0	0.0	0.0	1.09E-09
10	7	67	68	22759.69	i	5324.22	1.8782	0.0400	0.0	0.0	0.0	0.0	0.0	1.07E-09
9	6	74	75	22623.88						0.0	0.0	0.0	0.0	8.09E-10
	-					5324.94	1.8780	0.0400	0.0					1.24E-09
12	9	51	52	23159.78		5325.54	1.8777	0.0400	0.0	0.0	0.0	0.0	0.0	
4	1	104	105	22582.21		5326.93	1.8773	0.0400	0.0	0.0	0.0	0.0	0.0	3.82E-11
9	6	65	66	19781.77		5327.20	1.8772	0.0400	0.0	0.0	0.0	0.0	0.0	7.50E-11
, 14	11	31	32	23950.76		5328.05	1.8769	0.0400	0.0	0.0	0.0	0.0	0.0	8.20E-10
11	8	59	60	22850-43		5328.13	1.8768	0.0400	0.0	0.0	0.0	0.0	0.0	1.24E-09
10	7	57	58	19975.19		5328.45	1.8767	0.0400	0.0	0.0	0.0	0.0	0.0	9.21E-11
7	4	79	80	19482.71		5326.59	1.8767	0.0400	0.0	0.0	0.0	0.0	0.0	4.08E-11
8	5	72	73	19550.86		5330.20	1.8761	0.0400	0.0	0.0	0.0	0.0	0.0	6 • 1 4E-1 1
3	0	109	110	22554,35		5331.32	1.8757	0.0400	0.0	0.0	0.0	0.0	0.0	9.50E-12
13	10	41	42	23385.33		5331.97	1.8755	0.0400	0.0	0.0	0.0	0.0	0.0	1.21E-09
8	5	80	81	22368.93	1	5332.43	1.8753	0.0400	0.0	0.0	0.0	0.0	0.0	6.60E-10
5	2	98	99	22342.30	1	5333.56	1.8749	0.0400	0.0	0.0	0.0	0.0	0.0	1-17E-10
6	3	85	86	19282.05	2	5333.92	1.8748	0.0400	0.0	0.0	0.0	0.0	0.0	2.70E-11
12	9	50	51	22979.66	1	5334.21	1.8747	0.0400	0.0	0.0	0.0	0.0	0.0	t-41E-09
10	7	66	67	22522.63	1	5334.50	1.8746	0.0400	0.0	0.0	0.0	0.0	0.0	1.27E-09
14	11	30	31	23840.83	. 1	5334.69	1.8745	0.0400	0.0	0.0	0.0	0.0	0.0	8.72E-10
9	6	73	74	22361.64	1	5335.91	1.8741	0.0400	0.0	0.0	0.0	0.0	0.0	9.89E-10
5	2	91	92	19200.73	2	5335.92	1.8741	0.0400	0.0	0.0	0.0	0.0	0.0	1.42E-11
7	4	86	87	22236.39	1	5336.34	1.8739	0.0400	0.0	0.0	0.0	0.0	0.0	4.53E-10
6	3	92	93	22227.24	. 1	5336.71	1.8738	0.0400	0.0	0.0	0.0	0.0	0.0	2.58E-10
9	6	64	65	19558.57	2	5336.75	1.8738	0.0400	0.0	0.0	0.0	0.0	0.0	8.875-11
10	7	56	57	19779.64		5337.25	1.8736	0.0400	0.0	0.0	0.0	0.0	0.0	1.07E-10
11	8	50	59	22641.83		5337.61	1.8735	0.0400	0.0	0.0	0.0	0.0	0.0	1.45E-09
7	4	78	79	19210.62		5339.44	1.8729	0.0400	0.0	0.0	0.0	0.0	0.0	5.03E-11
13	10	40	41	23240.34		5339.63	1.8728	0.0400	0.0	0.0	0.0	0.0	0.0	1.33E-09
8	. 5	71	72	19303.21		5340.40	1.8725	0.0400	0.0	0.0	0.0	0.0	0.0	7.42E-11
4			104	22210.73		5340.83	1.8724	0.0400	0.0	0.0	0.0	0.0	0.0	5.10E-11
14	11	29	30	23734.29		5341.22	1.8722	0.0400	0.0	0.0	0.0	0.0	0.0	9.25E-10
12	9	49	50	22802.87		5342.79	1.8717	0.0400	0.0	0.0	0.0	0.0	0.0	1.60E-09
8	5	79	80	22084.76		5344.00	1.8713	0.0400	0.0	0.0	0.0	0.0	0.0	8.22E-10
10	7	65		22288.82		5344.68	1.8710	0.0400	0.0	0.0	0.0	0.0	0.0	1.52E-09
6	3	84	85	18988.68		5345.33	1.8708	0.0400	0.0	0.0	0.0	0.0	0.0	3.39E-11
3	0	108		22164.27		5345.70	1.8707	0.0400	0.0	0.0	0.0	0.0	0.0	1.295-11
	7	55	56	19587.32			1.8706	0.0400	0.0	0.0	0.0	0.0	0.0	1.23E-10
10						5345.97								
9	6	63		19338.57		5346.22	1.8705	0.0400	0.0	0.0	0.0	0.0	0.0	1.05E-10
9	6	72	73	22102.62		5346.79	1.8703 1.8702	0.0400	0.0	0.0 0.0	0.0	0.0 0.0	0.0	1.21E-09 1.54E-10
5,	2	97		21992.52		5346.89		0.0400	0.0		0.0			
11	8	57	58	22436.54		5347.00	1.8702	0.0400	0.0	0.0	0.0	0.0	0.0	1.69E-09
13	10	39		23098.72		5347.19	1.8701	0.0400	0.0	0.0	0.0	0.0	0.0	1.465-09
14	11	28	29	23631.13		5347.65	1.8700	0.0400	0.0	0.0	0.0	0.0	0.0	9.80E-10
5	2	90	91	18886.10		5347.86	1.8699	0.0400	0.0	0.0	0.0	0.0	0.0	1.81E-11
7	4	85		21930.29		5348.50	1.8697	0.0400	0.0	0.0	0.0	0.0	0.0	5.75E-10
6	3	91	92	21899.26	1	5349.45	1.8694	0.0400	0.0	0.0	0.0	.0•0	0.0	3.33E-10
								_						

VU	٧L	ว บ	JL	LOWER State	CODE	WAVE NUMBER	WAVE Lengt ů	HALF WIDTH	******	*** INTEGRAT		RPTION ** CO *ATM-1	EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	4	77	78	18941.66	2	5350.21	1.8691	0.0400	0.0	0.0	0.0	0.0	0.0	6.19E-11
8	5		71	19058.71	2	5350.52	1.8690	0.0400	0.0	0.0	0.0	0.0	0.0	8.93E-11
12	9		49	22629.43		5351.26	1.8687	0.0400	0.0	0.0	0.0	0.0	0.0	1.82E~09
14	11	27	28	23531.37		5353.98	1.8678	0.0400	0.0	0.0	0.0	0.0	0.0	1.03E-09
10	7		55	19398.23		5354.59	1.8676	0.0400	0.0	0.0	0.0	0'• 0	0.0	1.42E-10
4	1			21842.26		5354.64	1.8675	0.0400	0.0	0.0	0.0	0.0	0.0	6.80E-11
13	10	38	39	22960.48		5354.66	1.8675	0.0400	0.0	0.0	0.0	0.0	0.0	1.60E-09
10	7	64	65	22058.29	1	5354.77	1.8675	0.0400	0.0	0.0	0.0	0.0	0.0	1.81E-09
8	5		79	21803.77		5355.47	1.8672	0.0400	0.0	0.0	0.0	0.0	0.0	1.02E-09
9	6	62	63	19121.76		5355.59	1.8672	0.0400	0.0	0.0	0.0	0.0	0.0	1.23E-10
11	8	56	57	22234.55		5356.29	1.8670	0.0400	0.0	0.0	0.0	0.0	0.0	1.97E-09
6	3	83	84	18698.40		5356.65	1.8668	0.0400	0.0	0.0	0.0	0.0	0.0	4.25E-11
9	6	71	72.	21846.84		5357.58	1.8665	0.0400	0.0	0.0	0.0	0.0	0.0	1.47E-09
12	9	47	48	22459.34		5359.65	1.8658	0.0400	0.0	0.0	0.0	0.0	0.0	2.05E-09
5	2	89	90	18574.52		5359.76	1.8658	0.0400	0.0	0.0	0.0	0.0	0.0	2.29E~11
3	0	107		21777.14		5359.99	1.8657	0.0400	0.0	0.0	0.0	0.0	0.0	1.74E-11
5	2	96	97	21645.80	1	5360.12	1.8656	0.0400	0.0	0.0	0.0	0.0	0.0	2.01E-10
14	11	26	27	23435.02	ī	5360.21	1.8656	0.0400	0.0	0.0	0.0	0.0	0.0	1.096-09
В	5	69	70	18817.38	2	5360.55	1.8655	0.0400	0.0	0.0	0.0	0.0	0.0	1.07E-10
7	4	84	85	21627.34	1	5360.57	1.8655	0.0400	0.0	0.0	0.0	0.0	0.0	7.28E-10
7	4	76	77	18675.82		5360.89	1.8654	0.0400	0.0	0.0	0.0	0.0	0.0	7.59E-11
13	10	37	38	22825.61	ī	5362.02	1.8650	0.0400	0.0	0.0	0.0	0.0	0.0	1.75E-09
6	3	90	91	21574.38	i	5362.11	1.8649	0.0400	0.0	0.0	0.0	0.0	0.0	4.27E-10
10	7		54	19212.38	2	5363.12	1.8646	0.0400	0.0	0.0	0.0	0.0	0.0	1.63E-10
10	7	63	64	21831.04	1	5364.77	1.8640	0.0400	0.0	0.0	0.0	0.0	0.0	2.14E-09
9	6	61	62	18908-16	2	5364.88	1.8640	0.0400	0.0	0.0	0.0	0.0	0.0	1.44E-10
11	8	55	56	22035.89	ĩ	5365.48	1.8638	0.0400	0.0	0.0	0.0	0.0	0.0	2.29E-09
14	11	25	26	23342.06	i	5366.34	1.8635	0.0400	0.0	0.0	0.0	0.0	0.0	1.14E-09
8	5	77	78	21525.99	i	5366 • 86	1.8633	0.0400	0.0	0.0	0.0	0.0	0.0	1.27E-09
6	3	82	83	18411.21	ż	5367.89	1.8629	0.0400	0.0	0.0	0.0	0.0	0.0	5.31E-11
12	9	46	47	22292.60	ī	5367.93	1.8629	0.0400	0.0	0.0	0.0	0.0	0.0	2.31E-09
- 5	6	70	71	21594.31	i	5368.27	1.8628	0.0400	0.0	0.0	0.0	0.0	0.0	1.78E-09
4	ĭ		102	21476.80		5368.36	1.8628	0.0400	0.0	0.0	0.0	0.0	0.0	9.03E~11
13	10	36	37	22694.13	ī	5369.28	1.8624	0.0400	0.0	0.0	0.0	0.0	0.0	1.90E-09
8	5	68	69	18579.22	2	5370.50	1.8620	0.0400	0.0	0.0	0.0	0.0	0.0	1.29E-10
7	4	75	76	18413.12		5371.49	1.8617	0.0400	0.0	0.0	0.0	0.0	0.0	9.29E-11
5	2	88	89	18265.99		5371.54	1.8617	0.0400	0.0	0.0	0.0		0.0	2.92E-11
10	7	52	53	19029.77		5371.57	1.8617	0.0400	0.0	0.0	0.0	0.0	0.0	
4	i	94	95	18241.11	2	5371.88	1.8615	0.0400	0.0		0.0	0.0		1.86E-10
14	11	24	25	23252.52	ı	5372.37	1.8614	0.0400		0.0		0.0	0.0	1.18E-11
7	4	83	84	21327.55		5372.54	1.8613	0.0400	0.0		0.0	0.0	0.0	1.19E-09
5	2	95	96	21302.14		5373.27			0.0	0.0		0.0	0.0	9.19E-10
9	6	60	61	18697.77	2	5374.08	1.8611	0.0400	0.0	0.0	0.0	0.0	0.0	2.62E-10
3	ő	106		21392.98	1	5374.20		0.0400	0.0	0.0	0.0	0.0	0.0	1.68E-10
11	8	54	55	21840.56	1	5374.20	1.8607	0.0400	0.0	0.0	0.0	0.0	0.0	2.35E-11
10	7	62	63	21607.08	1	5374.66	1.8606	0.0400	0.0	0.0	0.0	0.0	1.04E-10	2.64E-09
16	3	89	90	21252.63	ì	5374.67	1.8606 1.860 6	0.0400 0.0400	0.0	0.0	0.0	0.0	1.03E-10	2.53E-09
12	9	45	46	22129.23	1	5376.11			0.0	0.0	0.0	0.0	0.0	5.47E-10
13	10	35	36	22566.05			1.8601	0.0400	0.0	0.0	0.0	0.0	0.0	2.60E-09
8	5	76	30 77	21251.42	1	5376.45	1.8600	0.0400	0.0	0.0	0.0	0.0	0.0	2.06E-09
14	11	23	24	23166.39		5378.15	1.8594	0.0400	0.0	0.0	0.0	0.0	0+0	1.56E-09
9		69			1	5378.29	1.8593	0,0412	0.0	0.0	0.0	0.0	0.0	1.23E-09
6	6 3	81		21345.04	1	5378.87	1.8591	0.0400	0.0	0.0	0.0	0.0	0.0	2.15E-09
v	٥	91	QZ.	18127.12	~	5379.04	1.8591	0.0400	0.0	0.0	0.0	0.0	0.0	6.62E-11

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE		SORPTION ** COE		*****
				ENERGY		CM 1	MICRON	N2	T = 300	T = 600	T = 90	0 T = 1200	T = 1500	T = 1800
												´		
	-	٠.		10050 40										
10 8	7 5	51 67	52 68	18850.42		5379.92	1.8588	0.0400	0.0	0.0	0.0	0.0	.0.0	2.12E-10
4		100		21114.38		5380.35 5381.99	1.8586 1.8580	0.0400 0.0400	0.0	0.0	0.0	0.0	0.0	1.54E-10
7	4	74	75	18153.57		5381.99	1.8580	0.0400	0.0 0.0	0.0 0.0	0.0	0.0 0.0	0.0	1.20E-10 1.13E-10
9	6	59	60	18490.61		5383.18	1.8576	0.0400	0.0	0.0	0.0	0.0	0.0	1.96E-10
5	2	87	88	17960.53		5383.25	1.8576	0.0400	0.0	0.0	0.0	0.0	0.0	3.71E-11
13	10	34	35	22441.36		5383.51	1.8575	0.0400	0.0	0.0	0.0	0.0	0.0	2.23E-09
11	8	53	54	21648.56		5383.57	1.8575	0.0400	0.0	0.0	0.0	0.0	1.23E-10	3.05E-09
14	11	22	23	23083.67		5384.12	1.8573	0.0423	0.0	0.0	0.0	0.0	0.0	1.27E-09
4	1	93	94	17914.32		5384.13	1.8573	0.0400	0.0	0.0	0.0	0.0	0.0	1.525-11
12	9	44	45	21969.23		5384.20	1.8573	0.0400	0.0	0.0	0.0	0.0	1.12E-10	2.91E-09
7	4	82	83	21030.94		5384.43	1.8572	0.0400	0.0	0.0	0.0	0.0	0.0	1.16E-09
10	7	61	62	21386.43		5384.47	1.8572	0.0400	0.0	0.0	0.0	0.0	1.26E-10	2.98E-09
5	2	94	95	20961.57	1	5386.32	1.8566	0.0400	0.0	0.0	0.0	0.0	0.0	3.42E-10
6	3	88	89	20934.01	1	5387.14	1.8563	0.0400	0.0	0.0	0.0	0.0	0.0	7.02E-10
10	7	50	51	18674.34	2	5388.18	1.8559	0.0400	0.0	0.0	0.0	0.0	0.0	2.41E-10
3	0	105	106	21011.81	1	5388.31	1.8559	0.0400	0.0	0.0	0.0	0.0	0.0	3.176-11
8	5	75	76	20980.08	1	5389.35	1.8555	0.0400	0.0	0.0	0.0	0.0	0.0	1.93E-09
9	6	68	69	21099.03		5389.38	1.8555	0.0400	0.0	0.0	0.0	0.0	1.14E~10	2.59E-09
14	11	21	22	23004.38		5389.85	1.8553	0.0435	0.0	0.0	0.0	0.0	0.0	1.31E-09
6	3	80	81	17846.16		5390.10	1.8553	0.0400	0.0	0.0	0.0	0.0	0.0	8.23E-11
8	5	66	67	18112,48		5390.12	1.8552	0.0400	0.0	0.0	0.0	0.0	0.0	1.83E-10
13	10	33	34	22320.07		5390.48	1.8551	0.0400	0.0	0.0	0.0	0.0	0.0	2.40E-09
12	9	43	44	21812.60		5392.19	1.8545	0.0400	0.0	0.0	0.0	0.0	1.28E-10	3.24E-09
9	6	58	59	18286.68		5392.20	1.8545	0.0400	0.0	0.0	0.0	0.0	0.0	2.29E-10
7	4	73	74	17897.18		5392.41	1.8545	0.0400	0.0	0.0	0.0	0.0	0.0	1.38E-10
4 11	8	52	53	21459.91		5392.48	1.8544	0.0400	0.0	0.0	0.0	0.0	1.46E-10	3.506-09
10 5	7	60 86	61 87	21169.09		5394.18	1.8538	0.0400	0.0	0.0	0.0	0.0	1.535-10	3.51E-09
14	11	20	21	17658.15 22928.51		5394.86	1.8536	0.0400	0.0	0.0	0.0	0.0	0.0	4.70E-11
4	1	99	100	20755.00		5395.47	1.8534	0.0447	0.0	0.0	0.0	0.0	0.0	1.34E-09
7	4	81	82	20737.52		5395.54 5396.22	1.8534 1.8531	0.0400	0.0	0.0	0.0	0.0	0.0	1.58E-10
4	1	92	93	17590.57		5396.30	1.8531	0.0400	0.0	0 • 0 0 • 0	0.0	0.0 0.0	0.0	1.45E-09 1.95E-11
10	7	49	50	18501.51		5396.35	1.8531	0.0400	0.0	0.0	0.0	0.0	0.0	2.74E-10
13	10	32	33	22202.19		5397.35	1.8528	0.0400	0.0	0.0	0.0	0.0	0.0	2.58E-09
5	2	93	94	20624.10		5399.28	1.8521	0.0400	0.0	0.0	0.0	, 0.0	0.0	4'43E-10
. 6	3	87	88	20618.54		5399.52	1.8520	0.0400	0.0	0.0	0.0	0.0	0.0	8.98E-10
9	6	67	68	20856.30		5399.79	1.8519	0.0400	0.0	0.0	0.0	0.0	1.43E-10	3.11E-09
8	5	65	66	17883.92	2	5399.80	1.8519	0.0400	0.0	0.0	0.0	0.0	0.0	2.17E-10
12	9	42	43	21659.36	1	5400.09	1.8518	0.0400	0.0	0.0	0.0	0.0	1.46E-10	3.61E-09
8	5	74	75	20711.97	. 1	5400.45	1.8517	0.0400	0.0	0.0	0.0	0.0	1.11E-10	2.37E-09
14	11	19	20	22856.06	1	5400.99	1.8515	0.0458	0.0	0.0	0.0	0.0	0.0	1.36E-09
6	3	79	80	17568.32	2	5401.08	1.8515	0.0400	0.0	0.0	0.0	0.0	0.0	1.02E-10
9	6	57	58	18085.99	2	5401.13	1.8515	0.0400	0.0	0.0	0.0	0.0	0.0	2.66E-10
11	8	51	52	21274.62	1	5401.28	1.8514	0.0400	0.0	0.0	0.0	0.0	1.73E-10	4.02E-09
3		104		20633.65		5402.34	1.8510	0.0400	0.0	0.0	0.0	0.0	0.0	4.26E-11
7	4	72	73	17643.96		5402.74	1.8509	0.0400	0.0	0.0	0.0	0.0	0.0	1.68E-10
10	7	59	60	20955.06		5403.79	1.8506	0.0400	0.0	0.0	0.0	0.0	1.86E-10	4.11E-09
13	10	31	32	22087.72		5404.11	1.8504	0.0400	0.0	0.0	0.0	0.0	1.04F-10	2.75E-09
10	7	48	49	18331.96		5404.43	1.8503	0.0400	0.0	0.0	0.0	0.0	0.0	3.09E-10
5	. 2	85	86	17358.87		5406.39	1.8497	0.0400	0.0	0.0	0.0	0.0	0.0	5.93E-11
14 12	11 9	18 41	19 42	22787.05		5406.41	1.8497	0.0470	0.0	0.0	0.0	0.0	0.0	1.38E~09
14	7	41	42	~100A*2I	. 1	5407.88	1.8492	0.0400	0.0	0.0	0.0	0.0	1.65E-10	4.00E-09

٧u	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	** INTEGRAT	ED **	ABSORPTION ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	NS	T = 300	T = -600	T =		T = 1500	T = 1800
7	4	80	81	20447.30	1	5407.92	1.8491	0.0400	0.0	0.0	0.0	0.0		1.82E-09
4	1	91	92	17269.87	2	5408.37	1.8490	0.0400	0.0	0.0	0.0	0.0	0.0	2.50E-11
4	1	98	99	20398.68	1	5408.99	1.8488	0.0400	0.0	0.0	0.0	0.0	0.0	2,09E-10
8	5	64	65	17658.56	2	5409.38	1.8486	0.0400	0.0	0.0	0.0	0.0	0.0	2.57E-10
9	6	56	57	17888.55		5409.97	1.8484	0.0400	0.0	0.0	0.0	0.0	0.0	3.09E-10
11	8	50	51	21092.69		5409.99	1.8484	0.0400	0.0	0.0	0.0	0.0	2.03E-10	4.59E-09
9	6	66	67	20616.86	1	5410.10	1.8484	0.0400	0+0	0.0	0.0	0.0	1.78E-10	3.73E-09_
13	10	30	31	21976,67	1	5410.78	1.8482	0.0400	0.0	0.0	0.0	0.0	1.13E-10	2.93E-09
8	5	73	74	20447.11	1	5411.46	1.8479	0.0400	0.0	0.0	0.0	0.0	1.42E-10	2.90E-09
14	11	17	18	22721.46	1	5411.73	1.8478	0.0482	0.0	0.0	0.0	0.0	0.0	1.39E-09
6	3	86	87	20306.23	i	5411.81	1.8478	0.0400	0.0	0.0	0.0	0.0	0.0	1.15E-09
6	3	78	79	17293.62	_	5411.97	1.8478	0.0400	0.0	0.0	0.0	0.0	0.0	1.26E-10
5	2	92	93	20289.75		5412.16	1.8477	0.0400	0.0	0.0	0.0	0.0	0.0	5.74E-10
10	7	47	48	18165.70	2	5412.42	1.8476	0.0400	0.0	0.0	0.0	0.0	0.0	3.49E-10
7	4	71	72	17393.93	2	5412.98	1.8474	0.0400	0.0	0.0	0.0	0.0	0.0	2.03E-10
10	7	58	59	20744.37		5413.31	1.8473	0.0400	0.0	0.0	0.0	0.0	2.256-10	4.82E-09
12	9	40	41	21363.06		5415.58	1.8465	0.0400	0.0	0.0	0.0	0.0	1.87E-10	4.41E-09
3	ó	103		20258.50	ì	5416.27	1.8463	0.0400	0.0	0.0	0.0	0.0	0.0	5.71E-11
14	11	16	17	22659.31	1 ′	5416.95	1.8461	0.0493	0.0	0.0	0.0	0.0	0.0	1.39E-09
13	10	29	30	21869.04	ī	5417.35	1.8459	0.0400	0.0	0.0	0.0	0.0	1.22E-10	3.11E-09
5	2	84	85	17062.69		5417.84	1.8458	0.0400	0.0	0.0	0.0	0.0	0.0	7.47E-11
11	ē	49	50	20914.12		5418.60	1.8455	0.0400	0.0	0.0	0.0	0.0	2.38F-10	5.22E-09
9	6	55	56	17694.37	ž	5418.72	1.8455	0.0400	0.0	0.0	0.0	0.0	0.0	3.57E-10
é	5	63	64	17436.43		5418.88	1.8454	0.0400	0.0	0.0	0.0	0.0	0.0	3.04E-10
7	4	79	80	20160.30	ī	5419.53	1.8452	0.0400	0.0	0.0	0.0	0.0	1.17E-10	2.27E-09
10	7	46	47	18002.73	2	5420.31	1.8449	0.0400	0.0	0.0	0.0	0.0	0.0	3.92E-10
9	6	65	66	20380.71	1	5420.32	1.8449	0.0400	0.0	0.0	0.0	0.0		4.456-09
4	ĭ	90	91	16952.23	ž	5420.37	1.8449	0.0400	0.0	0.0	0.0	0.0	0.0	3.19E-11
14	11	15	16	22600.61	ī	5422.07	1.8443	0.0505	0.0	0.0	0.0	0.0	0.0	1.385-09
4	1	97	98	20045.44	i	5422.35	1.8442	0.0400	0.0	0.0	0.0	0.0	0.0	2.756-10
8	5	72	73	20185.51	i	5422.38	1.8442	0.0400	0.0	0.0	0.0	0.0	1.81E-10	3.54E-09
10	7	57	58	20537.02		5422.73	1.8441	0.0400	0.0	0.0	0.0	0.0	2.73E-10	5.64E-09
6	3	77	78	17022.07		5422.77	1.8441	0.0400	0.0	0.0	0.0	0.0	0.0	1.56E-10
7	4	70	71	17147.08	2	5423.14	1.8440	0.0400	0.0	0.0	0.0	0.0	0.0	2.45E-10
12	. 9	39	40	21220.01	1	5423.17	1.8439	0.0400	0.0	0.0	0.0	0.0	2.116-10	4.86E-09
13	10	28	29	21764.84	i	5423.82	1.8437	0.0400	0.0	0.0	0.0	0.0	1.31E-10	3.30E-09
6	3	85	86	19997.09	i	5424.01	1.8437	0.0400	0.0	0.0	0.0	0.0		1 100 00
5	2	91	92	19958-52		5424.94	1.8433	0.0400	0.0	0.0	0.0	0.0	0.0	7.41E-10
14	11	14	15	22545.34	1	5427.08	1.8426	0.0517	0.0	0.0	0.0	0.0	0.0	1.36E-09
11	8	48	49	20738-93	î	5427.12	1.8426	0.0400	0.0	0.0	0.0	0.0	2.78E-10	5.93E-09
9	6	54	55	17503.45		5427.37	1.8425	0.0400	0.0	0.0	0.0	0.0	0.0	4-12E-10
10	7	45	46	17843.04	2	5428.12		0.0400			0.0	0.0	0.0	4.12E-10
8	5	62	63	17217.54		5428.29	1.8423 1.8422	0.0400	0.0	0.0	0.0	0.0	0.0	3.58E-10
5	5	63	84	16769.63		5429.20	1.8419	0.0400	0.0 0.0	0.0	0.0	0.0	0.0	9.39E-11
3	0	102		19886.39	ī	5430.12	1.8416	0.0400	0.0	0.0	0.0	0.0	0.0	
13	10	27	28	21664.07		5430.12	1.8416	0.0400	0.0	0.0	0.0	0.0	1.415-10	7.63E-11 3.49E-09
13	6	64	28 65											
12	9	36	39	20147.67	1	5430.45	1.8415	0.0400	0.0	0.0	0.0	0.0	2.73E~10	5.31E-09
	4	78				5430.67	1.8414	0.0400	0.0	0.0	0.0	0.0	2.36E-10	5.33E-09
7			79	19876.52		5431.04	1.8413	0.0400	0.0	0.0	0.0	0.0	1.58E-10	2.83E-09
14	11	13	14	22493.51	1	5431.99	1.8409	0.0528	0.0	0.0	0.0	0.0	0.0	1.346-09
10	7	56	57	20333.01	1	5432.05	1.8409	0.0400	0.0	0.0	0.0	0.0	3.286-10	6.57E-09
4	1	89	90	16637.68		5432.28	1.8408	0.0400	0.0	0.0	0.0	0.0	0.0	4.07E-11
7	4	69	70	16903.43	2	5433.20	1.8405	0.0400	0.0	0.0	0.0	0.0	0.0	2.95E-10

VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALÉ. Width	*****	** INTEGRAT		ABSORPTION ** CM-2*ATM-1	COEFFICIENT *	
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	τ =	900 T = 120	0 T = 1500	T = 1800
8	5	71	72	19927.18		5433.20	1.8405	0.0400		0.0	0.0	0.0	2.30E-10	4.32E-09
6	3	76	77	16753.69	1 2	5433.20	1.8404	0.0400	0.0	0.0	0.0	0.0	0.0	1.91E~10
11	8	47	48	20567-13	1	5435.54	1.8397	0.0400	0.0	0.0	0.0	0.0	3.23E-10	6.71E-09
4	1	96	97	19695-29	i	5435.62	1.8397	0.0400	0.0	0.0	0.0	0.0	0.0	3.60E-10
10	7	44	45	17686.66	2	5435.83	1.8396	0.0400	0.0	0.0	0.0	0.0	0.0	4.90E-10
9	6	53	54	17315.80	2	5435.94	1.8396	0.0400	0.0	0.0	0.0	0.0	0.0	4.73E-10
6	3	84	85	19691.13	1	5436.11	1.8396	0.0400	0.0	0.0	0.0	0.0	1.02E-10	1.85E-09
13	10	26	27	21566.74	ī	5436.45	1.8394	0.0400	0.0	0.0	0.0	0.0	1.50E-10	3.67E-09
14	11	12	13	22445.13	ī	5436.80	1.8393	0.0540	0.0	0.0	0.0	0.0	0.0	1.30E-09
8	5	61	62	17001.87	2	5437.62	1.8390	0.0400	0.0	0.0	0.0	0.0	0.0	4.20E-10
5	2	90	91	19630.43	1	5437.63	1.8390	0.0400	0.0	0.0	0.0	0.0	0.0	9.54E-10
12	9	37	38	20944.14	1	5438.07	1.8389	0.0400	0.0	0.0	0.0	0.0	2.64E-10	5.83E-09
5	2	82	83	16479.69	2	5440.47	1.8381	0.0400	0.0	0.0	0.0		0.0	1.18E-10
9	6	63	64	19918.36	1	5440.48	1.8381	0.0400	0.0	0.0	0.0	0.0	3.36E-10	6.30E-09
10	7	55	56	20132.36	1	5441.28	1.8378	0.0400	0.0	0.0	0.0	0.0	3.94E-10	7.64E-09
14	11	11	12	22400.19	1	5441.50	1.8377	0.0542	0.0	0.0	0.0	0.0	0.0	1.25E-09
. 7	4.	77	78	19595.97	1	5442.46	1.8374	0.0400	0.0	0.0	0.0	0.0	1.98E-10	3.51E-09
13	10	25	26	21472.84	1	5442.61	1.8374	0.0400	0.0	0.0	0.0	0.0	1.60E-10	3.84E-09
7	4	68	69	16662.99	2	5443.18	1.8372	0.0400	0.0	0.0	0.0	0.0	0.0	3.54E-10
10	7	43	44	17533.59		5443.45	1.8371	0.0400	0.0	0.0	0.0	0.0	0.0	5.45E-10
11	8	46	47	20398.72		5443.86	1.8369	0.0400	0.0	0.0	0.0	0.0	3.74E-10	7.57E-09
3	0	101	102	19517.34	1	5443.88	1.8369	0.0400	0.0	0.0	0.0	0.0	0.0	1.02E-10
8	5	70	71	19672.14	1	5443.93	1.8369	0.0400	0.0	0.0	0.0	0.0	2.91E-10	5.24E-09
4	1	88	89	16326.21	2	5444.10	1.8369	0.0400	0.0	0.0	0.0	0.0	0.0	5.19E~11
6	3	75	76	16488.47	2	5444.12	1.8368	0.0400	0.0	0.0	0.0	0.0	0.0	2.35E-10
3	0	94	95	16294.18	2	5444.42	1.8367	0.0400	0.0	0.0	0.0	0.0	0.0	1.32E-11
9	6	52	53	17131.43	2	5444.42	1.8367	0.0400	0.0	0.0	0.0	0.0	0.0	5.43E-10
12	. 9	36	37	20811.34	1	5445.37	1.8364	0.0400	0.0	0.0	0.0	0.0	2.94E-10	6.35E-09
14	11	10	11	22358.71		5446.10	1.6362	0.0545	0.0	0.0	0.0	0.0	0.0	1.20E-09
8	5 3	60 83	61	16789.46	2	5446.85	1.8359	0.0400	0.0	0.0	0.0	0.0	0.0	4.92E-10
13	10	24	84 25	19388.37	1	5448.13 5448.68	1.8355 1.8353	0.0400 0.0400	0.0	0.0	0.0	0.0 0.0	1.36E-10 1.69E-10	2.34E-09 4.01E-09
4	1	95	96	19348.24	i	5448.81	1.8353	0.0400	0.0	0.0 0.0	0.0	0.0	0.0	4.71E-10
5	2	89	90	19305.50	ī	5450.23	1.8348	0.0400	0.0	0.0	0.0	0.0	0.0	1.23E-09
9	6	62	63	19692.16	i	5450.42	1.8347	0.0400	0.0	0.0	0.0	0.0	4.13E-10	7.47E-09
10	7	54	55	19935.07	i	5450•42	1.8347	0.0400	0.0	0.0	0.0	0.0	4.71E-10	8.85E-09
14	11	9	10	22320.67	_	5450.60	1.8347	0.0547	0.0	0.0	0.0	0.0	0.0	1.13E-09
10	7	42	43	17383.83		5450.98	1.8345	0.0400	0.0	0.0	0.0	0.0	0.0	6.04E-10
5	2	81	82	16192.90	2	5451.65	1.8343	0.0400	0.0	0.0	0.0	0.0	0.0	1.47E-10
11	8	45	46	20233.70	1	5452.08	1.8342	0.0400	0.0	0.0	0.0	0.0	4.32E-10	8.51E-09
12	9	35	36	20681.96	1	5452.57	1.8340	0.0400	0.0	0.0	0.0	0.0	3.26E-10	6.89E-09
9	6	51	52	16950.35	2	5452.81	1.8339	0.0400	0.0	0.0	0.0	0.0	0.0	6.20E-10
7	4	67	68	16425.77	2	5453.07	1.8338	0.0400	0.0	0.0	0.0	0.0	0.0	4.23E-10
7	4	76	. 77	19318.68	1	5453.79	1.8336	0.0400	0.0	0.0	0.0	0.0	2.56E-10	4.35E-09
8	5	69	70	19420.38	1	5454.57	1.8333	0.0400	0.0	0.0	0.0	0.0	3.67E-10	6.35E-09
13	10	23	24	21295.39	1	5454.64	1.8333	0.0412	0.0	0.0	0.0		1.78E-10	4.16E-09
6	3	74	75	16226.44	2	5454.66	1.8333	0.0400	0.0	0.0	0.0		0.0	2.87E-10
14	11	8	9	22286.09	Ţ	5455.00	1.8332	0.0550	0.0	0.0	0.0		0.0	1.06E-09
4	1	87	88	16017.84	2	5455.84	1.8329	0.0400	0.0	0.0	0.0		0.0	6.61E-11
8	5	59	60	16580.31	2	5455.99	1.8328	0.0400	0.0	0.0	0.0		0.0	5.75E-10
3	0	93	94	15964.29	2	5456.70	1.8326	0.0400	0.0	0.0	0,•0		0.0	1.70E-11
E 01	7	100		19151.35	1	5457.55	1.8323	0.0400	0.0	0.0	0.0		0.0	1.35E-10
10	•	41	42	17237.39	2	5458.42	1.8320	0.0400	0.0	0.0	0.0	0.0	0.0	6.68E-10

VU	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIOTH	******	** INTEGRAT	ED **	ABSORPTION ** COI	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	Υ ==	900 T = 1200	T = 1500	T = 1800
14	11	7	8	22254.96	ı	5459.29	1.8317	0.0574	0.0	0.0	0.0	0.0	0.0	9.69E-10
10	7	53	54	19741.15	1	5459.45	1.8317	0.0400	0.0	0.0	0.0	0.0	5.61E-10	1.025-08
12	9	34	35	20556.01	1	5459.67	1.8316	0.0400	0.0	0.0	0.0	0.0	3.596-10	7.46E-09
6	3	82	83	19088.83	1	5460.05	1.8315	0.0400	0.0	0.0	0.0	0.0	1.80E-10	2.96E-09
11	8	44	45	20072.09	1	5460.21	1.8314	0.0400	0.0	0.0	0.0	0.0	4.97E-10	9.54E-09
9	6	61	62	19469.31	1	5460.26	1.8314	0.0400	0.0	0.0	0.0	0.0	5.065-10	8.82E-09
13	10	22	23	21211.84	1	5460.50	1.8313	0.0423	0.0	0.0	0.0	0.0	1.87E-10	4.30E-09
9	6	50	51	16772.57	2	5461.10	1.8311	0.0400	0.0	0.0	0.0	0.0	0.0	7.06E-10
4	1	94	95	19004.32	1	5461.90	1.8309	0.0400	0.0	0.0	0.0	0.0	0.0	6.15E-10
5	2	88	89	18983.73	1	5462.74	1.8306	0.0400	0.0	0.0	0.0	0.0	0.0	1.58E-09
5	2	80	18	15909.25	2	5462.75	1.8306	0.0400	0.0	0.0	0.0	0.0	0.0	1.83E-10
7	4	66	67	16191.77	2	5462.87	1.8305	0.0400	0.0	0.0	0.0	0.0	0.0	5.05E-10
14	11	6	7	22227.29	1	5463.48	1.8303	0.0597	0.0	0.0	0.0	0.0	0.0	8.74E-10
7	4	75	76	19044.64	1	5465.03	1.8298	0.0400	0.0	0.0	0.0	0.0	3.30E-10	5.38E-09
8	5	58	59	16374.42	2	5465.04	1.8298	0.0400	0.0	0.0	0.0	0.0	0.0	6.725-10
8	5	68	69	19171.93	1	5465.11	1.8298	0.0400	0.0	0.0	0.0	0.0	4.61E-10	7.67E-09
6	3	73	74	15967.60	2	5465.11	1.8298	0.0400	0.0	0.0	0.0	0.0	0.0	3.50E-10
10	7	40	41	17094.27	2	5465.77	1.8296	0.0400	0.0	0.0	0.0	0.0	0.0	7.36E-10
13	10	21	22	21131.74	1	5466.26	1.8294	0.0435	0.0	0.0	0.0	0.0	1.95E-10	4.43E-09
12	9	33	34	20433.50	1	5466.68	1.8293	0.0400	0.0	0.0	0.0	0.0	3.95E~10	8.04E-09
4	1	86	87	15712.59	2	5467.49	1.8290	0.0400	0.0	0.0	0.0	0.0	0.0	8.40E-11
14	11	5	6	22203.07	1.	5467.56	1.8290	0.0621	0.0	0.0	0.0	0.0	0.0	7.69E-10
11	8	43	44	19913.90	1	5468.23	1.8287	0.0400	0.0	0.0	0.0	0.0	5.69E-10	1.07E-08
10	7	52	53	19550.62	1	5468.39	1.8287	0.0400	0.0	0.0	0.0	0.0	6.66E-10	1.185-08
3	0	92	93	15637.47	2	5468.90	1.8285	0.0400	0.0	0.0	0.0	0.0	0.0	2.19E-11
9	6	49	50	16598.08	2	5469.30	1.8284	0.0400	0.0	0.0	0.0	0.0	0.0	8.02E-10
9	6	60	61	19249.80	1	5470.00	1.8282	0.0400	0.0	0.0	0.0	0.0	6.17E-10	1 • 04E-08
3	0	99	100	18788.44	1	5471.13	1.8278	0.0400	0.0	0.0	0.0	0.0	0.0	1.79E-10
14	11	4	5	22182.32	1	5471.55	1.8276	0.0645	0.0	0.0	0.0	0.0	0.0	6.57E-10
6	3	eı	82	18792.51	1	5471.88	1.8275	0.0400	0.0	0.0	0.0	0.0	2.38E-10	3.726-09
13	10	20	21	21055.10	1	5471.92	1.8275	0.0447	0.0	0.0	0.0	0.0	2.02E-10	4.53E-09
7	4	65	66	15961.02	2	5472.58	1.8273	0.0400	0.0	0.0	0.0	0.0	0.0	6.01E-10
10	7	39	40	16954.49	2	5473.02	1.8271	0.0400	0 • 0	0.0	0.0	0.0	0.0	8.09E-10
12	9	32	33	20314.43	1	5473.58	1.8270	0.0400	0.0	0.0	0.0	0.0	4.33E-10	8.64E-09
5	2	79	80	15628.77	2	5473.76	1.8269	0.0400	0.0	0.0	0.0	0.0	0.0	2.28E-10
8	5	57	58	16171.80	2	5474.00	1.8268	0.0400	0.0	0.0	0.0	0.0	0.0	7.83E-10
4	1	93	94	18663.53	1	5474.90	1.8265	0.0400	0.0	0.0	0.0	0.0	0.0	8.01E-10
5	2	87	88	18665.15	1	5475.16	1.8264	0.0400	0.0	0.0	0.0	0.0	1.32E-10	2.02E-09
14	11	3	4	22165.02	1	5475.42	1.8263	0.0676	0.0	0.0	0.0	0.0	0.0	5.37E-10
6	3	72	73	15711.97	2	5475.48	1.8263	0.0400	0.0	0.0	0.0	0.0	0.0	4.26E-10
8	5	67	68	18926.79	1	5475.56	1.8263	0.0400	0.0	0.0	0.0	0.0	5.78E-10	9.24E-09
11	8	42	43	19759.12	1	5476.16	1.8261	0.0400	0.0	0.0	0.0	0.0	6.50E-10	1.19E-08
7	4	74	75	18773.88	1	5476.17	1.8261	0.0400	0.0	0.0	0.0	0.0	4.24E-10	6.62E-09
10	7	51	52	19363.47	1	5477.24	1.8257	0.0400	0.0	0.0	0.0	0.0	7.88E-10	1.35E-08
9	6	48	49	16426.90	2	5477.42	1.8257	0.0400	0.0	0.0	0.0	0.0	0.0	9.08E-10
13	10	19	20	20981.92	1	5477.48	1.8257	0.0458	0.0	0.0	0.0	0.0	2.08E-10	4.62E-09
4	1	85	86	15410.46	2	5479.06	1.8251	0.0400	0.0	0.0	0.0	0.0	0.0	1.06E-10
14	11	2	3	22151.18	1	5479.20	1.8251	0.0707	0.0	0.0	0.0	0.0	0.0	4.10E-10
9	6	59	60	19033.64	1	5479.65	1.8249	0.0400	0.0	0.0	0.0	0.0	7•49E-10	1.22E-08
10	7	38	39	16818.04	2	5480.18	1.8248	0.0400	0.0	0.0	0.0	0.0	0.0	8.85E-10
12	9	31	32	20198.81	1	5480.38	1.8247	0.0400	0.0	0.0	0.0	0.0	4.71E-10	9.24E-09
3	0	91	92	15313.73	2	5481.02	1.8245	0.0400	0.0	0.0	0.0	0.0	0.0	2.82E-11
7	•	64	65	15733.51	2	5482.21	1.8241	0.0400	0.0	0.0	0.0	0.0	0.0	7.14E-10

vu	٧L	Ju	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HÁLF '	*****	** INTEGRAT	CM-	ORPTION ** CO		
				ENERGY		CM-1	MICRON	N5	T = 300	T = 600	T = 900	T = 1200	T = 1500	$\tau = 1800$
14	11	ı	2	22140.79	ı	5482.87	1.8239	0.0738	0.0	0.0	0.0	0.0	0.0	2.78E-10
ē	5	56	57	15972.47		5482.88	1.8239	0.0400	0.0	0.0	0.0	0.0	0.0	9-10E-10,
13	10	18	19	20912.20		5482.94	1.8238	0.0470	0.0	0.0	0.0	0.0	2.13E-10	4.68E-09
6	3	80	81	18499.43		5483.62	1.8236	0.0400	0.0	0.0	0.0	0.0	3.13E-10	4.68E-09
11	8	41	42	19607.77		5483.99	1.8235	0.0400	0.0	0.0	0.0	0.0	7.39E-10	1.32E-08
3	0	98	99	18428.62	1	5484.62	1.8233	0.0400	0.0	0.0	0.0	0.0	0.0	2.37E-10
5	2	78	79	15351,45	2	5484.69	1.8233	0.0400	0.0	0.0	0.0	0.0	0.0	2.82E-10
9	6	47	48	16259.04	2	5485.44	1.8230	0.0400	0.0	0.0	0.0	0.0	0.0	1.02E-09
6	3	71	72	15459.54	2	5485.75	1.8229	0.0400	0.0	0.0	0.0	0.0	0.0	5-17E-10
8	5	66	67	18684.96		5485.91	1.8229	0.0400	0.0	0.0	0.0	0.0	7.21E-10	1.11E-08
. 10	7	50	51	19179.72		5485.98	1.8228	0.0400	0.0	0.0	0.0	0.0	9.28E-10	1.55E-08
14	11	0	1	22133.87		5486.43	1.8227	0.0769	4 0.0	0.0	0.0	0.0	0.0	1.41E-10
12	9	30	31	20086.64		5487.08	1.8225	0.0400	0.0	0.0	0.0	0.0	5.12E-10	9.85E-09
7	4	73'	74	18506.41	1	5487.22	1.8224	0.0400	0.0	0.0	0.0	0.0	5.44E-10	8.13F-09
10	7	37	38	16684.94		5487.25	1.8224	0.0400	0.0	0.0	0.0	0.0	0.0	9.66E-10
5	2	86	87	18349.76		5487.49	1.8223	0.0400	0.0	0.0	0.0	0.0	1.78E-10	2.59E-09
4	1	92	93	18325.89		5487.81	1.8222	0.0400	0.0	0.0	0.0	0.0	0.0	1.04E-09
13	10	17	18	20845.96		5488.29	1.8221	0.0482	0.0	0.0	0.0	0.0	2.17E-10	4.71E-09
9	6	58	59	18820.86		5489.21	1.8718	0.0400	0.0	0.0	0.0	0.0	9.11E-10	1.43E-08
4	1	84	85	15111.48		5490.54	1.8213	0.0400	0.0	0.0	0.0	0.0	0.0	1.34E-10
. 8	5	55	56	15776.43		5491.66	1.8209	0.0400	0.0	0.0	0.0	0.0	1.09E-10 8.37E-10	1.05E-09
11	8	40	41	19459.85		5491.72	1.8209	0.0400	0.0	0.0	0.0	0.0		1.46E-08 8.45E-10
7 3	4	63 90	64 91	15509.25		5491.74	1.8209	0.0400	0.0	0.0	0.0	0.0	0.0 0.0	3.61E-11
14	11	1	91	14993.09		5493.05 5493.25	1.8205 1.8204	0.0400 0.0769	0.0	0.0	0.0	0.0 0.0	0.0	1.44E-10
9	6	46	47	16094.49		5493.25	1.8204	0.0400	0.0 0.0	0.0	0.0	0.0	1.14F-10	1.15E-09
13	10	16	17	20783.18		5493.57	1.8204	0.0400	0.0	0.0	0.0	0.0	2.19E-10	4.72E-09
12	9	29	30	19977.94		5493.69	1.8203	0.0400	0.0	0.0	0.0	0.0	5.53E-10	1.05E-08
10	7	36	37	16555.18		5494.22	1.8201	0.0400	0.0	0.0	0.0	0.0	0.0	1.05E-09
14	11	62	61	285 86 . 38		5494.26	1.8201	0.0400	0.0	0.0	0.0	0.0	0.0	9.538-11
10	7	49	50	18999.38		5494.63	1.8200	0.0400	0.0	0.0	0.0	0.0	1.09E-09	1.76E-08
6	3	79	80	18209.59		5495.26	1.8198	0.0400	0.0	0.0	0.0	0.0	4-11E-10	5.86E-09
5	2	77	78	15077.32		5495.53	1.8197	0.0400	0.0	0.0	0.0	0.0	0.0	3.49E-10
6	3	70	71	15210.34		5495.94	1.8195	0.0400	0.0	0.0	0.0	0.0	0.0	6.25E-10
8	5	.65	66	18446.48		5496 - 17	1.8194	0.0400	0.0	0.0	0.0	0.0	8.97E-10	1.33E-08
14	11	2	1	22133.87		5496.50	1.8193	0.0738	0.0	0.0	0.0	0.0	0.0	2.90E-10
14	11	61	60	28380.87		5497.57	1.8190	0.0400	0.0	0.0	0.0	0.0	0.0	1.09E-10
3	'0	97	98	18071.92	. 1	5498.02	1.8188	0.0400	0.0	0.0	0.0	0.0	0.0	3.13F-10
7	4	72	73	18242.22	1	5498.17	1.8188	0.0400	0.0	0.0	0.0	0.0	6.94E~10	9.96E-09
9	6	57	58	18611.44	. 1	5498.67	1.8186	0.0400	0.0	0.0	0.0	0.0	1.10E-09	1.686-08
13	10	15	16	20723.88	1	5498.70	1.8186	0.0505	0.0	0.0	0.0	0.0	2.20E-10	4.70E-09
11	8	39	40	19315.37	1	5499.36	1.8184	0.0400	0.0	0.0	0.0	0.0	9.44E-10	1.61E-08
14	11	3	2	22140.79	1	5499.65	1.8183	0.0707	0.0	0.0	0.0	0.0	0.0	4.37E-10
5	2	85	86	18037.58		5499.72	1.8183	0.0400	0.0	0.0	0.0	0.0	2.38E-10	3.30E-09
12	9	28	29	19872.69	1	5500.19	1.8181	0.0400	0.0	0.0	0.0	0.0	5.97E-10	1.11E-08
8	5	54	55	15583.68		5500.35	1.8181	0.0400	0.0	0.0	0.0	0.0	1.30E-10	1.22E-09
4	1	91	92	17991.41		5500.63	1.8180	0.0400	0.0	0.0	0.0	0.0	0.0	1.35E-09
14	11	60	59	28178.56		5500.76	1.8179	0.0400	0.0	0.0	0.0	0.0	0.0	1.246-10
10	7	35	36	16428.77		5501-11	1.8178	0.0400	0.0	0.0	0.0	0.0	1.06E-10	1.14E-09
7	4	62	63	15288.27		5501.19	1.8178	0.0400	0.0	0.0	0.0	0.0	1.12E-10	9.97E-10
9	6	45	46	15933.27		5501.21	1.8178	0.0400	0.0	0.0	0.0	0.0	1.31F-10	1.29E-09
4	1	83	84	14815.63		5501.93	1.8175	0.0400	0.0	0.0	0.0	0.0	0.0	1.69E-10
14	11	4	3	22151.18	3 1	5502.69	1.8173	0.0676	0.0	0.0	0.0	0.0	0.0	5.84E-10

ν υ	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	*** INTEGRAT	ED **	ABSORPTION ** CM-2*ATM-1	COEFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	, T = 600	۲ =	900 T = 12	00 T = 1500	T = 1800
														-
10	7	48	49	18822.44		5503.18	1.8171	0.0400	0.0	0.0	0.0	0.0	1.276-09	2.01E-08
13	10	14	15	20668.05		5503.74	1.8169	0.0517	0.0	0.0	0.0	0.0	2.20E-10	4.65E-09
14	11	59	58	27979.44	1	5503.83	1.8169	0.0400	0.0	0.0	0.0	0.0	0.0	1.42E-10 4.61E-11
3		89 5	90	14675.56 22165.02	2	5504.99 5505.62	1.8165	0.0400	0.0	0.0 0.0	0.0	0.0 D.0	0.0 0.0	7.29E-10
14	11 3	69	70	14964.37	1 2	5505.04	1.8163 1.8162	0.0645 0.0400	0.0 0.0	0.0	0.0	0.0	0.0	7.54E-10
5	2	76	77	14806.39	2	5506.28	1.8161	0.0400	0.0	0.0	0.0	0.0	0.0	4.30E-10
. 8	5	64	65	18211.34	-	5506.33	1.8161	0.0400	0.0	0.0	0.0	0.0	1.11E-09	1.59E-08
12	9	27	28	19770.91	ì	5506.59	1.8160	0.0400	0.0	0.0	0.0	0.0	6.42E-10	1.17E-08
14	11	58	57	27783.53	ī	5506.79	1.8159	0.0400	0.0	0.0	0.0	0.0	0.0	1.62E-10
6	3	78	79	17923.02		5506.81	1.8159	0.0400	0.0	0.0	0.0	0.0	5.37E-10	7.31E-09
11	ē	38	39	19174.33		5506.89	1.8159	0.0400	0.0	0.0	0.0	0.0	1.06E-09	1.76E-08
10	7	34	35	16305.72		5507.90	1.8156	0.0400	0.0	0.0	0.0	0.0	1.17E-10	t - 23E-09
9	6	56	57	18405.41	1	5508.03	1.8155	0.0400	0.0	0.0	0.0	0.0	1.33E-09	1.96E-08
14	11	6	5	22182.32		5508.45	1.8154	0.0621	0.0	0.0	0.0	0.0	0.0	8.73E-10
13	10	13	14	20615.70	1	5508.69	1.8153	0.0528	0.0	0.0	0.0	0.0	2.18E-10	4.56E-09
8	5	53	54	15394.23	2	5508.95	1.8152	0.0400	0.0	0.0	0.0	0.0	1.54E-10	1.40E-09
9	6	44	45	15775.39	2	5508.96	1.8152	0.0400	0.0	0.0	0.0	0.0	1.50E-10	1.44E-09
7	4	71	72	17981.34	1	5509.03	1.8152	0.0400	0.0	0.0	0.0	0.0	8.84E-10	1.22E-08
14	11	57	56	27590.84	1	5509.64	1.8150	0.0400	0.0	0.0	0.0	0.0	0.0	1.84E-10
7	4	61	62	15070.55	2	5510.54	1.8147	0.0400	0.0	0.0	0.0	0.0	1.36E-10	1.175-09
14	11	7	6	22203.07	1	5511.18	1.8145	0.0597	0.0	0.0	0.0	0.0	0.0	1.01E-09
3	′ 0	96	97	17718.34	1	5511.33	1.8144	0.0400	0.0	0.0	0.0	0.0	0.0	4 • 1 2E-1 0
10	7	47	48	18648.93	1	5511.64	1.8143	0.0400	0.0	0.0	0.0	0.0	1.49E-09	2.27E-08
5	2	84	85	17728.62		5511.87	1.8143	0.0400	0.0	0.0	0.0	0.0	3.18E-10	4.21E-09
14	11	56	55	27401.37		5512.38	1.8141	0.0400	0.0	0.0	0.0	0.0	0.0	2.08E-10
12	9	26	27	19672.59	1	5512.89	1.8139	0.0400	0.0	0.0	0.0	0.0	6.86E-10	1.24E-08
4	1	82	83	14522.95	2	5513.24	1.8138	0.0400	0.0	0.0	0.0	0.0	0.0	2.12E-10
4	1	90	91	17660.10	1	5513.36	1.8138	0.0400	0.0	0.0	0.0	0.0	1.33E-10	1.74E-09
13	10	12	13	20566.83	l.	5513.53	1.8137	0.0540	0.0	0.0	0.0	0.0	2.13E-10	4.44E-09 1.15E-09
14	11	8	7	22227.29	1	5513.80	1.8136	0.0574	0.0	0.0	0.0	0.0	0.0	
11	8 7	37 33	38 34	19036.74		5514.33	1.8135 1.8134	0.0400	0.0	0.0	0.0	0 • 0 0 • 0	1.19E-09 1.28E-10	1.93E-08 1.32E-09
10 14	11	55	54	27215.13	1	5514.59 5515.01	1.8132	0.0400	0.0	0.0	0.0	0.0	0.0	2.35E-10
6	3	68	69	14721.64	2	5516.06	1.8129	0.0400	0.0	0.0	0.0	0.0	1.11E-10	9.07E-10
14	11	9	8	22254.96	1	5516.31	1.8128	0.0550	0.0	0.0	0.0	0.0	0.0	1.27E-09
	5	63	64	17979.55	i	5516.40	1.8128	0.0400	0.0	0.0	0.0	0.0	1.37E-09	1.89E-08
9	6	43	44	15620.85	2	5516.61	1.8127	0.0400	0.0	0.0	0.0	0.0	1.71E-10	1.61E-09
É	ő	88	89	14361.15	2	5516.85	1.8126	0.0400	0.0	0.0	0.0	0.0	0.0	5.89E-11
5	2	75	76	14538.66		5516.94	1.8126	0.0400	0.0	0.0	0.0	0.0	0.0	5.29E-10
9	6	55	56	18202.77	1	5517.29	1.8125	0.0400	0.0	0.0	0.0	0.0	1.60E-09	2.28E-08
8	5	52	53	15208.11	2	5517.46	1.8124	0.0400	0.0	0.0	0.0	0.0	1.83E-10	1.61E-09
14	11	54	53	27032.14	1	5517.52	1.8124	0.0400	0.0	0.0	0.0	0.0	0.0	2.65E-10
13	10	11	12	20521.44	1	5518.27	1.8122	0.0542	0.0	0.0	0.0	0.0	2.08E-10	4.28E-09
6	3	77	78	17639.71	1	5518.27	1.8122	0.0400	0.0	0.0	0.0	0.0	6.99E-10	9.10E-09
14	11	10	9	22286.09	1	5518.72	1.8120	0.0547	0.0	0.0	0.0	0.0	0.0	1.39E-09
12	9	25	26	19577.75	1	5519.10	1.8119	0.0400	0.0	0.0	0.0	0.0	7.31E-10	1.30E-08
7	4	70	71	17723.78	ı	5519.80	1.8117	0.0400	0.0	0.0	0.0	0.0	1.12E-09	1.48E-08
7	4	60	61	14856.11	2	5519.81	1.8117	0.0400	0.0	0.0	0.0	0.0	1.65E-10	1.38E-09
14	11	53	52	26852.39	1	5519.92	1.8116	0.0400	0.0	0.0	0.0	0.0	0.0	2.97E-10
10	7	46	47	18478.84	1	5519.99	1.8116	0.0400	0.0	0.0	0.0	0.0	1.72E-09	2.57E-08
14	11	11	10	22320.67		5521.02	1.8113	0.0545	0.0	0.0	0.0	0.0	0.0	1.51E-09
10	7	32	33	16069.71	2	5521.20	1.8112	0.0400	0.0	0.0	0.0	0.0	1.40E-10	t.42E-09

VU	VL.	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	Half Width		* INTEGRA		DRPTION ** COI 2*ATM-1	EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
11	8	36	37	18902.61	1	5521.66	1.8111	0.0400	0.0	0.0	0.0	0.0	1.32E-09	2.11E-08
14	11	52	51	26675.90	1	5522.20	1.8109	0.0400	0.0	0.0	0.0	0.0	0.0	3.32E-10
13	10	10	11	20479.54	1	5522.91	1.8106	0.0545	0.0	0.0	0.0	0.0	2.00E-10	4.095-09
14	11	12	11	22358.71	1	5523.22	1.8105	0.0542	0.0	0.0	0.0	0.0	0.0	1.61E-09
5	2	83	84	17422.89	1	5523.92	1.8103	0.0400	0.0	0.0	0.0	0.0	4.24F-10	5.34E-09
9	6	42	43	15469.65	2	5524.18	1.8102	0.0400	0.0	0.0	0.0	0.0	1.95E-10	1.79E-09
14	11	51	50	26502.68	1	5524.38	1.8102	0.0400	0.0	0.0	0.0	0.0	0.0	3.71E-10
4	1	81	82	14233,45	2	5524.46	1.8101	0.0400	0.0	0.0	0.0	0.0	0.0	2.66E-10
3	0	95	96	17367.91	1	5524.55	1.8101	0.0400	0.0	0.0	0.0	0.0	0.0	5.41E-10
12	9	24	25	19486.39	1	5525.20	1.8099	0.0400	0.0	0.0	0.0	0.0	7.74E-10	1.35E-08
14	11	13	12	22400.19	1	5525.30	1.8099	0.0540	0.0	0.0	0.0	0.0	0.0	1.70E-09
8	5	51	52	15025.29	2	5525.88	1.8097	0.0400	0.0	0.0	0.0	0.0	2.15E-10	1.84E-09
6	3	67	68	14482.17	2	5525.98	1.8096	0.0400	0.0	0.0	0.0	0.0	1.39E-10	1.09E-09
4	1	89	90	17331.98	1	5526.00	1.8096	0.0400	0.0	0.0	0.0	0.0	1.81E-10	2.24E-09
8	5	62	63	17751.12	1	5526.38	1.8095	0.0400	0.0	0.0	0.0	0.0	1.69F-09	2.24E-08
14	11	50	49	26332.73	ı	5526.44	1.8095	0.0400	0.0	0.0	0.0	0.0	0.0	4.12E-10
9	6	54	55	18003.52	1	5526.46	1 .8095	0.0400	0.0	0.0	0.0	0.0	1.92F-09	2.65E-08
14	11	14	13	22445.13	1	5527.29	1.8092	0.0528	0.0	0.0	0.0	0.0	0.0	1.79E-09
13	10	9	10	20441.12	1	5527.45	1.8092	0.0547	0.0	0.0	0.0	0.0	1.90E-10	3-87E-09
5	2	74	75	14274.14	2	5527.52	1.8091	0.0400	0.0	0.0	0.0	0.0	0.0	6.48E-10
10	7	31	32	15956.77	2	5527.71	1.8091	0.0400	0.0	0.0	0.0	0.0	1.52E-10	1.51E-09
10	7	45	46	18312.18	t	5528.25	1.8089	0.0400	0.0	0.0	0.0	0.0	1.99E-09	2,89E-08
14	11	49	48	26166.05	1	5528.39	1.8088	0.0400	0.0	0.0	0.0	0.0	0.0	4.57E-10
3	0	87	88	14049.87	2	5528.62	1.8088	0-0400	0.0	0.0	0.0	0.0	0.0	7.52E-11
11	8	35	36	18771.94	1	5528.90	1.8087	0.0400	0.0	0.0	0.0	0.0	1.475-09	2429E-08
7	4	59	60	14644.96	2	5528.99	1.8086	0.0400	0.0	0.0	0.0	0.0	2.00E-10	1.61E-09
14	1 1	15	14	22493.51	1	5529.16	1.8086	0.0517	0.0	0.0	0.0	0.0	0.0	1.86E-09
6	3	76	77	17359.69	1	5529.64	1.8084	0.0400	0.0	0.0	0.0	0.0	9.07E-10	1:136-08
14	11	48	47	26002.67	1	5530.23	1.8082	0.0400	0.0	0.0	0.0	0.0	0.0	5.05E-10
7	4	69	70	17469.54	1	5530.47	1.8082	0.0400	0.0	0.0	0.0	0.0	1.42E-09	1.80E-08
14	11	16	15	22545.34	1	5530.93	1.8080	0.0505	0.0	0.0	0.0	0.0	0.0	1.92E-09
12	9	23	24	19398.52	1 ,	5531.19	1.8079	0.0412	0.0	0.0	0.0	0.0	8 - 1 GE-10	1.41E-08
9	6	41	42	15321.80	2	5531.65	1.8078	0.0400	0.0	0.0	0.0	0.0	2.21E-10	1.98E-09
13	10	e	9	20406.19	1	5531.88	1.8077	0.0550	0.0	0.0	0.0	0 • Ò	1.78E-10	3.61E-09
14	11	47	46	25842.57	1	5531.96	1.8077	0.0400	0.0	0.0	0.0	0.0	0.0	5.57E-10
14	11	17	16	22600.61	1	5532.59	1.8075	0.0493	0.0	0.0	0.0	0.0	0.0	1.97E-09
14	11	46	45	25685.79	1	5533.57	1.8072	0.0400	0.0	0.0	0.0	0.0	0.0	6.115-10
10.	7	30	31	15847.20	2	5534.12	1.8070	0.0400	0.0	0.0	0.0	0.0	1.65E-10	1.61E-09
14	11	18	17	22659.31	1	5534:15	1.8070	0.0482	0.0	0.0	0.0	0.0	0.0	2.01E-09
8	5	50	51	14845.80	2	5534.21	1.8069	0.0400	0.0	0.0	0.0	0.0	2.53E-10	2.10F-09
14	11	45	44	25532.30	1	5535.08	1.8067	0.0400	0.0	0.0	0.0	0.0	0.0	6.69E-10
9	6	53	54	17807.68	1	5535.54	1.8065	0.0400	0.0	0.0	0.0	0.0	2.295-09	3.07E-08
4	1	80	81	13947.12	2	5535.59	1.8065	0.0400	0.0	0.0	0.0	0.0	0.0	3.33E-10
14	11	19	10	22721.46	1	5535.59	1.8065	0.0470	0.0	0.0	0.0	0.0	0.0	2.04E-09
6	3	66	67	14245.95	2	5535.82	1.8064	0.0400	0.0	0.0	0.0	0.0	1.72F-10	1.30E-09
5	2	82	83	17120.41	1	5535.88	1.8064	0.0400	0.0	0.0	0.0	0.0	5.64E-10	6.76E-09
11	8	34	35	18644.73	1	5536.04	1.8063	0.0400	0.0	0.0	0.0	0.0	1.62E-09	2.48E-08
13	10	7	8	20374.75	1	5536.20	1.8063	0.0574	0.0	0.0	0.0	0.0	1-64E-10	3.31E-09
8	5	61	62	17526.07	1	5536 25	E608.1	0.0400	0.0	0.0	0.0	0.0	2.07E-09	2.65E-08
10	7	44	45	18148.97	1	5536.4Í	1.8062	0.0400	0.0	0.0	0.0	0.0	2.30E-09	3.25E-08
14	11	44	43	25382.13	1	5536.47	1.8062	0.0400	0.0	0.0	0.0	0.0	0.0	7.30E-10
14	11	50	19	22787.05	1	5536.93	1.8061	0.0458	0.0	0.0	0.0	0.0	0.0	2.06E-09
12	9	22	23	19314.13	1	5537.09	1.8060	0.0423	0.0	0.0	0.0	0.0	8.56E-10	1.46E-08

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED **	ABSORPTION CM-2*ATM+1	** COE		
				ENERGY		CM 1	MICRON	N2	T = 300	T = 600	Υ =	900 T =	1200	T = 1500	T = 1800
3	0	94	95	17020.62	1	5537.68	1.8058	0.0400	0.0	0.0	0.0	0.0		0.0	7.08E-10
14	11	43	42	25235.28	1	5537.75	1.8058	0.0400	0.0	0.0	0.0	0.0		0.0	7.93E-10
5	2	73	74	14012.86	2	5538.00	1.8057	0.0400	0.0	0.0	0.0	0+0		1.09E-10	
7	4	58	59	14437.11	2	5538.07	1.8057	0.0400	0.0	0.0	0.0	0.0		2.42E-10	
14	11	21	20	22856.06	1	5538.16	1.8057	0.0447	0.0	0.0	0.0	0.0		0.0	2.06E-09
4	1	88	89	17007.07	1	5538.55	1.8055	0.0400	0.0	0.0	0.0	0.0		2.45F-10	
14	11	42	41	25091.76	1	5538.93	1.8054	0.0400	0.0	0.0	0.0	0.0		0.0	8.60E-10
9	6	40	41	15177.32	2	5539.03	1.8054	0.0400	0.0	0.0	0.0	0.0		2.49F-10	
14	11	22	21	22928.51	1	5539.29	1.8053	0.0435	0.0	0.0	0.0	0.0		0.0	2.06E-09
14	11	41	40	24951.57	1	5539.99	1.8051	0.0400	0.0	0.0	0.0	0.0		0.0	9.28E-10
14	11	23	22	23004.38	1	5540.30	1.8050	0.0423	0.0	0.0	0.0	0.0		0.0	2.04E-09
3	10	86	87	13741.75	2	5540.31	1.8050	0.0400	0.0	0.0	0.0	0.0		0.0	9.586-11
13	10	6	7	20346.80	1	5540.43	1.8049	0.0597	0.0	0.0	0.0	0.0		1.49E-10	
10	7	29	30	15741.00	ż	5540.44	1.8049	0.0400	0.0	0.0	0.0	0.0		t.78F-10	
6	3	75	76	17082.96	1	5540.91	1.8048	0.0400	0.0	0.0	0.0	0.0		1.17E-09	
14	11	40	39	24814.72		5540.94	1.8047	0.0400	0.0	0.0	0.0	0.0		0.0	9.99E-10
7	4	68	69	17218.64	1	5541.05	1.8047	0.0400	0.0	0 • 0	0.0	0.0		1.79E~09	
14	11	24	23	23083.67	1	5541.21	1.8047	0.0412	0.0	0.0	0.0	0.0		0.0	2.02E-09
14	11	39	38	24661-22		5541.78	1.8045	0.0400	0.0	0.0	0.0	0.0		0.0	1.07E-09
14	11	25	24	23166.39	ī	5542.01	1.8044	0.0400	0.0	0.0	0.0	0.0		0.0	1.98E-09
8	5	49	50	14669.65		5542.45	1.8043	0.0400	0.0	0.0	0.0	0.0		2.96E-10	2.39E-09
14	11	38	37	24551.07	1	5542.51	1.8042	0.0400	0.0	0.0	0.0	0.0		0.0	1.15E-09
14	11	26	25	23252.52		5542.70	1.8042	0.0400	0.0	0.0	0.0	0.0		0.0	1.945-09
12	9	21	22	19233.23	ì	5542.89	1.8041	0.0435	0.0	0.0	0.0	0.0		8.93E-10	1.50E-08
11	8	33	34	18521.00	_	5543.08	1.8041	0.0400	0.0	0.0	0.0	0.0		1.79E-09	2.68E-08
14	11	37	36	24424.27		5543.12	1.8040	0.0400	0.0	0.0	0.0	0.0		0.0	1.22E-09
13	10	70	69	28546.96		5543.29	1.8040	0.0400	0.0	0.0	0.0	0.0		0.0	9.49E-11
14	11	27	26	23342.06	i	5543.29	1.8040	0.0400	0.0	0.0	0.0	0.0		0.0	1.89E-09
14	11	36	35	24300.84	î	5543.63	1.8039	0.0400	0.0	0.0	0.0	0.0		0.0	1.295-09
14	11	28	27	23435.02		5543.76	1.8038	0.0400	0.0	0.0	0.0	0.0		0.0	1.84E-09
14	11	35	34	24180.77		5544.03	1.8037	0.0400	0.0	0.0	0.0	0.0		0.0	1.37E-09
	11	29	28	23531.37	i	5544.13	1.8037	0.0400	0.0	0.0	0.0	0.0		0.0	1.78E-09
14	11	34	33	24064.08	-	5544.32	1.8036	0.0400	0.0	0.0	0.0			0.0	1.44E-09
14		30	29	23631.13		5544.39	1.8036	0.0400	0.0	0.0	0.0			0.0	1.71E-09
14	11	43	44	17989.20		5544.48	1.8036	0.0400	0.0	0.0	0.0			2.64E-09	
10		33		23950.76		5544.50	1.8036	0.0400	0.0	0.0	0.0			0.0	1.516-09
14	11		32				1.8036	0.0400	0.0	0.0	0.0			2.73E-09	
9	6	52	53	17615.26		5544.51 5544.53	1.8036	0.0400	0.0	0.0	0.0			0.0	1.65E-09
14	11	31	30	23734.29			1.8036	0.0621	0.0	0.0	0.0			1.32F-10	
13	10	5	-6	20322.34	1	5544.55	1.8036	0.0400	0.0	0.0	0.0			0.0	1.586-09
14	11	32	31	23840.83		5544.57		0.0400	0.0	0.0	0.0			2.136-10	
6	3	65	66	14013.01	2	5545.56	1.8032	0.0400		0.0	0.0			2.53E-05	
8	5	60	61	17304.39		5546.04	1.8031		0.0	0.0	0.0			2.80E-10	
9	6	39	40	15036.20		5546.32	1.8030	0.0400	0.0	0.0	0.0			0.0	4.14E-10
4	1	79	80	13663.99		5546.64	1.8029	0.0400	0.0	0.0	0.0			t •92E-10	
10	7	28	29	15638.19		5546.67	1.8029	0.0400	0.0	0.0	0.0			2.92E-1	
7	4	57	58	14232.57		5547.07	1.8028	0.0400	0.0		0.0			0.0	1.11E-10
13	10	69	68	28313.86		5547.47	1.8026	0.0400	0.0	0.0	0.0			7.46E-10	
5	2	81	82	16821.19		5547.75	1.8025	0.0400	0.0	0.0	0.0			1.38E-1	
5	2	72	73	13754.80		5548.40	1.8023	0.0400	0.0	0.0				1.13E-1	
13	10	4	5	20301.37		5548.57	1.8023	0.0645	0.0	0.0	0.0			9.26E-10	
12	9	20	21	19155.82		5548.59	1.8023	0.0447	0.0	0.0	0.0			1.96F-0	
11	8	32	33	18400.75		5550.02	1.8018	0.0400	0.0	0.0	0.0			3.44E-10	
8	5	48	49	14496.84	2	5550.60	1.8016	0.0400	0.0	0.0	0.0	0.0		ؕ44E-1(, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

VU	٧L	JŲ	J٤	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED **	ABSORPTION **	COEFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	Y = 300	T = 600	T =	900 T = 120	00 T = 1500	T = 1800
3	0	93	94	16676.52		5550.72	1.8016	0.0400	0.0	0.0	0.0	0.0	0.0	9.24E-10
4	1	67	86	16685.38	1	5551.01	1.8015	0.0400	0.0	0.0	0.0	0.0	3.33E-10	3.72E-09
7	4	67	68	16971.09	ı	5551.54	1.8013	0.0400	0.0	0.0	0.0	0.0	2.24E-09	8.63E-08
13	10	68	67	28083.91	1	5551.54	1.8013	0.0400	0.0	0.0	0.0	0.0	0.0	1.30E-10
3	0	85	86	13436.77	2	5551.91	1.8012	0-0400	0.0	0.0	0.0	0.0	0 • 0	1.22E-10
6	3	74	75	16809.55	1	5552.09	1.8011	0.0400	0 • 0	0.0	0.0	0.0	1.51E-09	1.73E-08
10	7	42	43	17832.88		5552.44	1.8010	0.0400	0.0	0.0	0.0	0.0	3.02E-09	4.05E-08
13	10	3	4	20283.89	1	5552.48	1.8010	0.0676	0.0	0.0	0.0	0.0	0.0	1.84E-09
10	7	27	28	15538.77		5552.81	1.8009	0.0400	0.0	0.0	0.0	0.0	2.06E-10	1.91E-09
9	6	51	52	17426.27		5553.39	1.8007	0.0400	0.0	0.0	0.0	0.0	3.23E-09	4.07E-08
9	6	38	39	14898.44		5553.51	1.8007	0.0400	0 • 0	0.0	0 + 0	0.0	3.14F-10	2.63E-09
12	9	19	20	19081.91	1	5554.18	1.8004	0.0458	0.0	0.0	0.0	0.0	9.55E-10	1.57E-08
6	3	64	65	13783.34	2	5555.22	1.8001	0.0400	0.0	0.0	0.0	0.0	2.63E-10	1.84E-09
13	10	67	66	27857.12		5555.49	1.8000	0.0400	0.0	0.0	0.0	0.0	0.0	1.52E-10
8	5	59	60	17086.11	1	5555.72	1.7999	0.0400	0.0	0.0	0.0	0.0	3.09E-09	3.68E-08
7	4	56	57	14031.34		5555.98	1.7999	0.0400	0.0	0.0	0.0	0.0	3.51E-10	2.56E-09
13 11	10 8	2 31	3 32	20269.91	L .	5556.29	1.7998	0.0707	0.0	0.0	0.0	0.0	0.0	1.40E-09
4	1	78	32 79	18283.98	1	5556.85	1.7996	0.0400	0.0	0.0	0.0	0.0	2.14E-09	3.08E-08
8	5	47	-	13384.06		5557.60	1.7993	0.0400	0.0	0.0	0.0	0.0	0.0	5.15E-10
5	2	71	48 72	14327.37		5558.66	1.7990	0.0400	0.0	0.0	0.0	0.0	4.00E-10	3.06E-09
10	7	26	27	13499.99	2	5558.72	1.7990	0.0400	0.0	0.0	0.0	0.0	1.75E-10	1.17E-09
13	10	66	65	15442.75	2	5558.85	1.7989	0.0400	0.0	0.0	0.0	0.0	2.20E-10	2.01E-09
5	2	80	81	27633.50 16525.24	1	5559.33 5559.52	1.7988	0.0400	0.0	0.0	0.0	0.0	0.0	1.76E-10
12	9	18	19	19011.50	1	5559.67	1.7987	0.0400	0.0	0.0	0.0	0.0	9.85E-10	1.07E-08
13	10	1	2	20259.43		5559.87 5559.99	1.7987 1.7986	0.0470 0.0738	0.0	0.0	0.0	0.0	9.80E-10	1.59E-08
10	7	41	42	17680.03	ì	5560.31	1.7985		0.0	0.0	0.0	0.0	0.0	9.51E-10
9	6	37	38	14764.06		5560.61	1.7984	0.0400	0.0	0.0	0.0		3.43E-09	4.50E-08
7	4	66	67	16726.89	ī	5561.93	1.7979	0.0400 0.0400	0.0	0.0	0.0	0.0	3.50E-10	2.88E-09
9	6	50	51	17240.70	1	5562-18	1.7979	0.0400		0.0	0.0		2.81E~09	3.16E-08
13	10	65	64	27413.06	ī	5563.06	1.7976	0.0400	0.0		0.0		3.81E-09	4.66E-08
6	.3	73	74	16539.45	i	5563.18	1.7975	0.0400	0.0	0 • 0 0 • 0	0.0		0.0	2.04E-10
4	1	86	87	16366.91	1	5563.37	1.7975	0.0400	0.0	. 0.0	0.0		1.956-09	2.13E-08
3	ō	84	85	13134.97		5563.43	1.7975	0.0400	0.0	0.0	0.0		4-49E-10	4.77E-09
11	8	30	31	18170.69	1	5563.59	1.7974	0.0400	0.0	0.0	0.0		0.0 2.32E-09	1.54E-10
13	10	0	1	20252.43		5563.59	1.7974	0.0769	0.0	0.0	0.0		0.0	3.29F-08 4.82E-10
3	0	92	93	16335.59		5563.67	1.7974	0.0400	0.0	0.0	0.0		1.14E-10	1.20E-09
7	4	55	56	13833.44		5564.79	1.7970	0.0400	0.0	0.0	0.0		4.20E-10	2.97E-09
6	3	63	64	13556.96		5564.79	1.7970	0.0400	0.0	0.0	0.0		3.23E-10	2.19E-09
10	7	25	26	15350.11	2	5564.79	1.7970	0.0400	0.0	0.0	0.0		2.33E-10	2.10E-09
12	9 ^	17	18	18944.59		5565.06	1.7969	0.0482	0.0	0.0	0.0		9.98E-10	1.60E-08
8	5	58	59	16871.22	1	5565.31	1.7968	0.0400	0.0	0.0	0.0		3.76E-09	4.33E-08
8	5	46	47	14161.26	2	5566.62	1.7964	0.0400	0.0	0.0	0.0		4.63E-10	3.45E-09
13	10	64	63	27195.80	1	5566.67	1.7964	0.0400	0.0	0.0	0.0		0.0	2.36E-10
9	6	36	37	14633.06	2	5567.62	1.7961	0.0400	0.0	0.0	0.0		3.89€-10	3.13E-09
10	7	40	41	17530.64	1	5568.08	1.7960	0.0400	0.0	0.0	0.0		3.89E-09	4.98E-08
4	1	77	78	13107.35	2	5568.47	1.7958	0.0400	0.0	0.0	0.0		1.01E-10	6.38E-10
5	2	70	71	13248.44	2	5568.94	1.7957	0.0400	0.0	0.0	0.0		2.21E-10	1.42E-09
13	10	63	62	26981.75		5570.17	1.7953	0.0400	0.0	0.0	0.0		0.0	2.72E-10
1 1	8	29	30	18060.90		5570.23	1.7953	0.0400	0.0	0.0	0.0		2.51E-09	3.50E-08
12	9	16	17	18881.18	1	5570.35	1.7952	0.0493	0.0	0.0	0.0	0.0	1.01E-09	1.61E-08
13	10	1	0	20248.94		5570.48	1.7952	0.0769	0.0	0.0	0.0	0.0	0.0	4.92E-10
10	7	24	25	15260.88	2	5570.65	1.7951	0.0400	0.0	0.0	0.0	0.0	2.47E-10	2.19E-09

νu	٧L	JŲ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	*** INTEGRAT		PTION ** COE	EFFICIENT **	
				ENERGY		CM-1	MICRON	N2	$\tau = 300$	T = 600	T = 900	T = 1200	T = 1500	T = 1800
											0.0	0.0	4.49E-09	5.32E-08
9	6	49	50	17058-57		5570.86	1.7951	0.0400	0.0	0.0	0.0	0.0	1.305-09	1.35E-08
5	2	79	80	16232.57		5571.20	1.7949 1.7946	0.0400	0.0	0.0	0.0	0.0	3.50E-09	3.79E-08
7	4	65	66	16486.06		5572.22	1.7948	0.0400	0.0	0.0	0.0	0.0	5.01E-10	3.44E-09
7	4	54	55	13638.86		5573.52	1.7942	0.0400	0.0	0.0	0.0	0.0	0.0	3.13E-10
13	10	62	61	26770.90 20252.43		5573.55 5573.76	1.7941	0.0738	0.0	0.0	0.0	0.0	0.0	9.93E-10
13	10	2	1 73	16272.68		5574.17	1.7940	0.0400	0.0	0.0	0.0	0.0	2.49E-09	2.61F-08
6	3	72 62	63	13333.88		5574.27	1.7940	0.0400	0.0	0.0	0.0	0.0	3.96F~10	2.59E-09
6	5	45	46	13998.51		5574.50	1.7939	0.0400	0.0	0.0	0.0	0.0	5.33E~10	3.87F-09
8 9	6	35	36	14505.45		5574.54	1.7939	0.0400	0.0	0.0	0.0	0.0	4.31E-10	3.40E-09
8	5	57	58	16659.74		5574.81	1.7938	0.0400	0.0	0.0	0.0	1.12E-10	4.57E-09	5.09F-08
3	ő	83	84	12836.35		5574.86	1.7938	0.0400	0.0	0.0	0.0	0.0	0.0	1.94E-10
12	9	15	16	18821.29		5575.54	1.7935	0.0505	0.0	0.0	0.0	0.0	1.02F-09	1.60E-08
4	1	85	86	16051.69		5575.64	1.7935	0.0400	0.0	0.0	0.0	0.0	6.04F-10	6 • 1 1 E-09
10	7	39	40	17384.73		5575.75	1.7935	0.0400	0.0	0.0	0.0	0.0	4.40E-09	5.50E-08
10	7	23	24	15175.05		5576.40	1.7933	0.0412	0.0	0.0	0.0	0.0	2.60E-10	2.28E-09
3	Ó	91	92	15997.85		5576.53	1.7932	0.0400	0.0	0.0	0.0	0.0	1.55E-10	1.56E-09
11	8	28	29	17954.60		5576.77	1.7932	0.0400	0.0	0.0	0.0	0.0	2.71E-09	3.72E-08
13	10	61	60	26563.26		5576.82	1.7931	0.0400	0.0	0.0	0.0	0.0	0.0	3.58E-10
13	10	3	2	20259.43	1	5576.95	1.7931	0.0707	0.0	0.0	0.0	0.0	0.0	1.50E-09
5	2	69	70	13000.15	2	5579.08	1.7924	0.0400	0.0	0.0	0 • 0	0.0	2.78F~10	1.72E-09
4	1	76	77	12833.86	2	5579.26	1.7924	0.0400	0.0	0.0	0.0	0.0	1.31E-10	7.88E-10
9	6	48	49	16879.89	1	5579.45	1.7923	0.0400	0.0	0.0	0.0	1.22E-10	5.26E-09	6.06E-08 4.08E-10
13	10	60	59	26358.85	1	5579.98	1.7921	0.0400	0.0	0.0	0.0	0.0		2.00E-09
13	10	4	3	20269.91		5580.02	1.7921	0.0676	0.0	0.0	0.0	0.0	1.01E-10 1.01E-09	1.58E-08
12	9	14	15	18764.90		5580 • 62	1.7919	0.0517	0.0	0.0	0.0	0.0	4.75E-10	3.67E-09
9	6	34	35	14381.22		5581.36	1.7917	0.0400	0.0	0.0	0.0	0.0	2.725-10	2.35F-09
10	7	22	23	15092.63		5582.07	1.7915	0.0423	0.0	0.0	0.0	0.0	5.96E-10	3.97E-09
7	4	53	54	13447.62		5582.16	1.7914	0.0400	0.0 0.0	0.0	0.0	0.0	6.12E-10	4.34E-09
8	5	44	45	13839.13		5582.28	1.7914	0.0400	0.0	0.0	0.0	1.18E-10	4.35E-09	4.54E-08
7	4	64	65	16248.61		5582.42 5582.79	1.7913 1.7912	0.0400	0.0	0.0	0.0	0.0	1.706-09	1.69E-08
.5	2	78 5	79	15943.20 20283.89		5582.99	1.7912	0.0645	0.0	0.0	0.0	0.0	1.26F-10	2.50E-09
13	10	59	4 58	26157.68		5583.02	1.7911	0.0400	0.0	0.0	0.0	0.0	0.0	4.68E-10
13 11	8	27	28	17851.80		5583.21	1.7911	0.0400	0.0	0.0	0.0	0.0	2.92E-09	3.94E-08
10	7	38	39	17242.29		5583.32	1.7910	0.0400	0.0	0.0	0.0	1.05F-10	4.95F-09	6.05E-08
6	3	61	62	13114.11		5583.66	1.7909	0.0400	0.0	0.0	0.0	0.0	4.83F-10	3.05F-09
8	5	56	57	16451.68		5584.21	1.7908	0.0400	0.0	0.0	0.0	1.42E-10	5.52E-09	5.95E-08
6	3	71	72	16009.24		5585.07	1.7905	0.0400	0.0	10.0	0.0	0.0	3.18F-09	3.19E-08
12	9	13	14	18712.02		5585.60	1.7903	0.0528	0.0	0.0	0.0	0.0	1 . 00E-09	1.55E-08
13	10	6	5	20301.37		5585.86	1.7902	0.0621	0.0	0.0	0.0	0.0	1.505-10	2.995-09
13	10	58	57	25959.75		5585.95	1.7902	0.0400	0.0	0.0	0.0	0.0	0.0	5.34E-10
3	0	82	83	12540.93	3 2	5586.20	1.7901	0.0400	0.0	0.0	0.0	0.0	0.0	2.45E-10
10	7	21	22	15013.62	2 2	5587.63	1.7897	0.0435	0.0	0.0	0.0	0.0	2.83E-10	2.42E-09
4	ı	84	85	15739.73	3 1	5587.83	1.7896	0.0400	0.0	0.0	0.0	0.0	8.11F-10	7.79E-09
9	6	47	48	16704.66		5587.94	1.7896	0.0400	0.0	0.0	0.0	1.49F-10	6.14E-09 5.22E-10	6.89E-08 3.95E-09
9	6	33	34	14260.39		5588.09	1.7895	0.0400	0.0	0.0	0.0	0.0	1.74E-10	3.47E-09
13	10	7	6	20322.34		5588.62	1.7894	0.0597	0.0	0.0	0.0	0.0	0.0	6.07E-10
13	10	57	56	25765.06		5588.77	1.7893	0.0400	0.0	0.0	0.0	0.0	3.48E-10	2.07E-09
5	2	68	69	12755.13		5589.13	1.7892	0.0400	0.0	0.0	0.0	0.0	2.13E-10	5.05E-03
3	0	90	91	15663.33		5589.30	1.7891	0.0400	0.0	0.0	0.0	0.0	3.13F-09	4.15E-08
11	8	26	27	17752.52		5589.55 5589.96	1.7891 1.7889	,0.0400 0.0400	0.0	0.0	0.0	0.0	1.68E-10	9.71E-10
4	1	75	76	12563.62		2203.30	1.7009	0.0400	V.5				-	

								,					_	
VU	VL	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	*****	*** INTEGRAT	ED ** ABSOR CM-2*		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
е	5	43	44			5555155					•			
12	9	12	13	13683.11		5589.97	1.7889	0.0400	0.0	0.0	0.0	0.0	7.01E-10	4 - 84E-09
7	4	52	53	18662.66 13259.72		5590.48	1.7888	0.0540	0.0	0.0	0.0	0.0	9.86E-10	1.51E-08
12	9	77	76	28460.70		5590.70	1.7887	0.0400	0.0	0.0	0.0	0.0	7.06E-10	4.56E-09
10	7	37	38	17103.34		5590.77	1.7887	0.0400	0.0	0.0	0.0	0.0	0.0	9.15E-11
13	10	8	7	20346.80		5590.79	1.7887	0.0400	0.0	0.0	0.0	1.225-10	5.555-09	6.63E-08
13	10	56	55	25573.64		5591.27	1.7885	0.0574	0.0	0.0	0.0	0.0	1.96E-10	3.93E-09
7	4	63	64	16014.55		5591.47	1.7884	0.0400	0.0	0.0	0.0	0.0	0.0	6.89E-10
6	3	60	61	12897.64		5592.53	1.7881	0.0400	0.0	0.0	0.0	1.54E-10	5.39E-09	5.41F-08
10	7	20	21	14938.02		5592.96	1.7880	0.0400	0.0	0.0	0.0	0.0	5.88E-10	3.58E-09
8	5	55	56	16247.05		5593.11	1.7879	0.0447	0.0	0.0	0.0	0.0	2.94F-10	2 • 4 8E-09
13	10	9	8	20374.75		5593.51 5593.82	1.7878	0.0400	0.0	0.0	0.0	1.80E-10	6.66E-09	6.94E-08
13	10	55	54	25385.48		5594.06	1.7877 1.7876	0.0550	0.0	0.0	0.0	0.0	2-17E-10	4.37E-09
5	2	77	78	15657.13		5594.29	1.7875	0.0400	0.0	0.0	0.0	0.0	0.0	7.79E-10
9	6	32	33	14142.96		5594.73	1.7874	0.0400	0.0	0.0	0.0	0.0	2.226-09	2.10E-08
12	9	11	12	18616.82		5595.25	1.7872	0.0400	0.0	0.0	0.0	0.0	5.71E-10	4.24E-09
12	9	76	75	28203.20		5595.73	1.7871	0.0542 0.0400	0 • 0 0 • 0	0.0	0.0	0.0	9.59E-10	1.46E-08
11	8	25	26	17656.73		5595.78	1.7871	0.0400	0:0	0.0	0.0	0.0	0.0	1 - 1 0E-10
6	3	70	71	15749.16		5595.87	1.7870	0.0400	0.0	0.0	0.0	0.0	3.33F-09	4.36E-08
13	10	10	9	20406.19		5596.26	1.7869	0.0547	0.0	0.0	0.0	1.23E-10	4.05E-09	3.90E~08
9	6	46	47	16532.89	ī	5596.33	1.7869	0.0400	0.0	0.0	0.0	0.0	2.36E-10	4.78E-09
13	10	54	53	25200.61	ī	5596.54	1.7868	0.0400	0.0	0.0	0.0	1.805-10	7.14E-09	7.79E-08
3	0	81	82	12248.70	2	5597.45	1.7865	0.0400	0.0	0.0	0.0	0.0	0.0	8.78E-10
8	5	42	43	13530.48		5597.57	1.7865	0.0400	0.0	0.0	0.0	0.0	0:0	3.07F-10
10	7	36	37	16967.88	ī	5598.16	1.7863	0.0400	0.0	0.0	0.0	0.0 1.41F10	7.99E-10	5.38E-09
10	7	19	20	14865.84		5598.48	1.7862	0.0458	0.0	0.0	0.0		6.19E-09	7.256-08
13	10	11	10	20441.12		5598.60	1.7862	0.0545	0.0	0.0	0.0	0.0	3.03E-10	2.52E-09
13	10	53	52	25019.01	ì	5598.91	1.7861	0.0400	0.0	0.0	0.0	0.0	2.54F-10	5.17E-09
5	2	67	68	12513.40	2	5599.08	1.7860	0.0400	0.0	0.0	0.0		0.0	9.87E-10
7	4	51	52	13075.18		5599.16	1.7860	0.0400	0.0	0.0	0.0	0.0	4.35E-10	2.49E-09
4	1	83	84	15431.03	1	5599.92	1.7857	0.0400	0.0	0.0	0.0		8.34E-10	5.23E-09
12	9	10	11	18574.50		5599.93	1.7857	0.0545	0.0	0.0	0.0	0 • 0 0 • 0	1.08E-09	9.92F-09
4	1	74	75	12296.62		5600.57	1.7855	0.0400	0.0	0.0	0.0	0.0	9.23E-10	1.40E-08
12	9	75	74	27948.82		5600.57	1.7855	0.0400	0.0	0.0	0.0	9.0	2.16E-10	1.19E-09
13	10	12	11	20479.54		5600.83	1.7854	0.0542	0.0	0.0	0.0	0.0	0.0 2.69E-10	1.31F-10 5.52F-09
13	10	52	51	24840.71	1	5601.16	1.7853	0.0400	0.0	0.0	0.0	0.0	0.0	1.11E-09
9	6	31	32	14028.93	2	5601.27	1.7853	0.0400	0.0	0.0	0.0	0.0	6-21E-10	4.54E-09
11	8	24	25	17564.47	1	5601.92	1.7851	0.0400	0.0	0.0	0.0	0.0	3.54E-09	4.55E-08
3	0	89	90	15332.04	1	5601.98	1.7851	0.0400	0.0	0.0	0.0	0.0	2.90E-10	2.61E-09
6	3	59	60	12684,50	2	5602-17	1.7850	0.0400	0.0	0.0	0.0	0.0	7.135-10	4.20E-09
7	4	62	63	15783.89	1	5602.54	1.7849	0.0400	0.0	0.0	0.0	2.01E-10	6.65E-09	6.43E-08
8	5	54	55	16045.84	1	5602.72	1.7848	0.0400	0.0	0.0	0.0	2.27E-10	8.00E-09	8.075-08
13	10	13	12	20521.44	1	5602.95	1.7848	0.0540	0.0	0.0	0.0	0.0	2.83E-10	5.84E-09
13	10	51	50	24665.70	1	5603.30	1.7847	0.0400	0.0	0.0	0.0	0.0	0.0	1.24F-09
10	7	18	19	14797.07	2	5603.77	1.7845	0.0470	0.0	0.0	0.0	0.0	3.10E-10	2.56E-09
12	9	9	10	18535.70	1	5604.50	1.7843	0.0547	0.0	0.0	0.0	0.0	8.78E-10	1.32E-08
9	6	45	46	16364.60	1	5604.63	1.7842	0.0400	0.0	0.0	0.0	2.18E-10	8.27E-09	8.79E-08
13	10	14	13	20566.83	t	5604.97	1.7841	0.0528	0.0	0.0	0.0	0.0	2.95E-10	6-13E-09
8	5	41	42	13381.23	2	5605.07	1.7841	0.0400	0.0	0.0	0.0	0.0	9.07E-10	5.97E-09
12	9	74	73	27697.55	1	5605.29	1.7840	0.0400	0.0	0.0	0.0	0.0	0.0	1.56E-10
13	10	50	49	24494.01	1	5605.33	1.7840	0.0400	0.0	0.0	0.0	0.0	0.0	1.385-09
10	7	35	36	16835.92	1	5605.44	1.7840	0.0400	0.0	0.0	0.0	1.62E-10	6.88E-09	7.89E-08
5	2	76	77	15374.38	1	5605.69	1.7839	0.0400	0.0	0.0	0.0	0.0	2.89E-09	2.62E-08
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νυ	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	*****	** INTEGRAT		PTION ** COE	EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
_	_		70	15402 44		5606.59	1.7836	0.0400	0.0	0.0	0.0	1.66E-10	5.136-09	4.74E-08
6	3 10	69 15	70 14	15492.44 20615.70		5606.87	1.7835	0.0517	0.0	0.0	0.0	0.0	3.04E-10	6.38E-09
13 13	10	49	48	24325.62		5607.25	1.7834	0.0400	0.0	0.0	0.0	0.0	0.0	1.538-09
7	4	50	51	12893.99		5607.52	1.7833	0.0400	0.0	0.0	0.0	0.0	9.81E-10	5.97E-09
9	6	30	31	13918.32		5607.72	1.7833	0.0400	0.0	0.0	0.0	0.0	6.74E-10	4.83E-09
11	ä	23	24	17475.72		5607.96	1.7832	0.0412	0.0	0.0	0.0	0.0	3.735-09	4.74E-08
3	õ	80	81	11959.70		5608.62	1.7830	0.0400	0.0	0.0	0.0	0.0	0.0	3.85E-10
13	10	16	15	20668.05		5608.68	1.7830	0.0505	0.0	0.0	0.0	0.0	3.12F-10	6.59E-09
10	7	17	18	14731.73		5608.95	1.7829	0.0482	0.0	0.0	0.0	0.0	3.15E-10	2.58E-09
5	2	66	67	12274.96	2	5608.95	1.7829	0.0400	0.0	0.0	0.0	0.0	5.42E-10	5 • 6 6E-0 6
12	9	8	9	18500.42	1	5608.96	1.7829	0.0550	0.0	0.0	0.0	0.0	8.245-10	1.23E-08
1.3	10	48	47	24160.56	1	5609.06	1.7828	0.0400	0.0	0.0	0.0	0.0	0.0	1.69F-09
12	9	73	72	27449.42	1	5609.90	1.7826	0.0400	0.0	0.0	0.0	0.0	0.0	1-86F-10
13	10	17	16	20723.88	1	5610.37	1.7824	0.0493	0.0	0.0	0.0	0.0	3.17E-10	6.76F-09
13	10	47	46	23998.83	1	5610.75	1.7823	0.0400	0.0	0.0	0.0	0.0	0.0	1.86E-09
4	1	73	74	12032.87	2	5611.09	1.7822	0.0400	0.0	0.0	0.0	0.0	2.75E-10	1.46F-09 4.93E-09
6	3	58	59	12474.70		5611.30	1.7821	0.0400	0.0	0.0	0.0	0.0	8.65E-10 9.57E-09	9.36E-08
8	5	53	54	15848.09		5611.83	1.7819	0.0400	0.0	0.0	0.0	2.85F-10	1.445-09	1.26E-08
4	1	82	83	15125.61		5611.91	1.7819	0.0400	0.0	0.0	0.0	0.0	3.20E-10	6.89E-09
13	10	18	17	20783.18		5611.96	1.7819	0.0482	0.0	0.0	0.0	0.0	0.0	2.05E-09
13	10	46	45	23840.43		5612.33	1.7818	0.0400	0.0	0.0	0.0	0.0 2.61E-10	9.17E-09	7.63F-08
7	4	61	62	15556.63		5612.46	1.7818	0.0400	0.0	0.0	0.0	0.0	1.035-09	6.59E-09
8	5	40	4 1	13235.37		5612.48	1.7817	0.0400	0.0		0.0	1.856-10	7.62E-09	8.55E-08
10	7	34	35	16707.46		5612.61	1.7817	0.0400	0.0	0.0 0.0	0.0	2.61F-10	9.55E-09	9.88E-08
9	6	44	45	16199.77		5612.83	1.7816	0.0400	0.0	0.0	0.0	0.0	7.61E-10	1.13E-08
12	9	7	8	18468.66		5613.33	1.7815	0.0574	0.0	0.0	0.0	0.0	3.216-10	6.98F-09
13	10	19	18	20845.96		5613.44	1.7814	0.0470 0.0400	0.0	0.0	0.0	0.0	0.0	2.25F-09
13	10	45	44	23685.38		5613.81 5613.89	1.7813 1.7813	0.0423	0.0	0.0	0.0	0.0	3.92E-09	4.90E-08
11	8	22	23	17390.49		5614.05	1.7812	0.0493	0.0	0.0	0.0	0.0	3.19E-10	2.58E-09
10	7 6	16 29	17 30	14669.81		5614.08	1.7812	0.0400	0.0	0.0	0.0	0.0	7.27E-10	5.13E-09
9	9	72	71	27204.43		5614.40	1.7811	0.0400	0.0	0.0	0.0	0.0	0.0	2.20F-10
12 3	0	88	89	15003.98		5614.56	1.7811	0.0400	0.0	0.0	0.0	0.0	3.96F-10	3.38E-09
13	10	20	19	20912.20		5614.82	1.7810	0.0458	0.0	0.0	0.0	0.0	3.20E-10	7.03F-09
13	10	44	43	23533.68		5615.17	1.7809	0.0400	0.0	0.0	0.0	0.0	0.0	2.45E-09
7	4	49	50	12716.17		5615.79	1.7807	0.0400	0.0	0.0	0.0	0.0	1.156-09	6.80E-09
13	10	21	20	20981.92		5616.08	1.7806	0.0447	0.0	0.0	0.0	0.0	3.17E-10	7.05E-09
13	10	43	42	23385.33		5616.42	1.7805	0.0400	0.0	0.0	0.0	0.0	0.0	2.67E-09
5	2	75	76	15094.96		5617.00	1.7803	0.0400	0.0	0.0	0.0	1.34F-10	3.75E-09	3.25E-08
6	3	68	69	15239.10		5617.20	1.7802	0.0400	0.0	0.0	0.0	2.23E-10	6.48E-09	5.75E-08
13	10	22	21	21055.10	1	5617.24	1.7802	0.0435	0.0	0.0	0.0	0.0	3.12E-10	7.03E-09
13	10	42	41	23240.34	1	5617.55	1.7801	0.0400	0.0	0.0	0.0	0.0	0.0	2.89F-09
12	9	6	7	18440.43	1	5617.58	1.7801	0.0597	0.0	0 • 0	0.0	0.0	6.90E-10	1.02E-08
13	10	23	22	21131.74	1	5618.29	1.7799	0.0423	0.0	0.0	0.0	0.0	3.06E-10	6.97E-09
13	10	41	40	23098.72		5618.58	1.7798	0.0400	0.0	0.0	0.0	0.0	1.00F-10	3.13E-09
5	2	65	66	12039.83		5618.74	1.7798	0.0400	0.0	0.0	0.0	0.0	6.72F-10	3.57E-09 2.60E-10
12	9	71	70	26962.59		5618.78	1.7797	0.0400	0.0	0.0	0.0	0.0	0.0	2.50E-10 2.57F-09
10	7	15	16	14611.32		.5619.04	1.7797	0.0505	0.0	0.0	0.0	0.0	3.20E-10 2.99F-10	6.88E-09
13	10	24	23	21211.84		5619.23	1.7796	0.0412	0.0	0.0	0.0	0.0	1.11F-10	3.37F-09
13	10	40	39	22960.48		5619.50	1.7795	0.0400	0.0	0.0	0.0	2.10F-10	8.40F-09	9.246-08
10	7	33	34	16582.50		5619.68	1.7795	0.0400	0.0	0.0	0.0	0.0	0.0	4.81E-10
3	0	79	80	11673.92		5619.70	1.7795	0.0400	0.0 0.0	0.0	0.0	0.0	4.795-09	5.05F-08
11	8	21	22	17308.79) į	5619.72	1.7794	0.0435	0.0	0.0		• • •		

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRAT		SORPTION ** CON- -2*ATM-1	EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 90		T = 1500	T = 1800
8	5	39	40	13092.91	2	5619.81	1.7794	0.0400						
13	10	25	24	21295.39		5620.07	1.7793	0.0400 0.0400	0.0	0.0	0.0	0.0	1.15E-09	7.26E-09
13	10	39	38	22825.61		5620.30	1.7793	0.0400		0.0	0.0	0.0	2-90E-10	6.77E-09
6	3	57	58	12268.22		5620.33	1.7793	0.0400	0.0	0.0	0.0	0.0	1.21E-10	3.62E-09
9	6	28	29	13707.32		5620.34	1.7793	0.0400	0.0	0.0	0.0	0.0	1.05E-09	5.76E-09
13	10	26	25	21382.39		5620.79	1.7791	0.0400	0.0	0.0	0.0	0.0	7.85E-10	5.44E-09
8	5	52	53	15653.78		5620.84	1.7791	0.0400	0.0	0.0	0.0	0.0	2.79E-10	6.62E-09
9	6	43	44	16038.43		5620.93	1.7791	0.0400	0.0	0.0	0.0	3.56F-10	1.14E-08	1.08E-07
1.3	10	38	37	22694.13		5621.00	1.7790	0.0400	0.0	0.0	0.0	3.12E-10	1.10E-08	1.11E-07
13	10	27	26	21472.84	ī	5621.41	1.7789	0.0400	0.0	0.0	0.0	0.0	1.32E-10	3.87E-09
4	1	72	73	11772.40	_	5621.53	1.7789	0.0400	0.0	0.0	0.0	0.0	2.68E-10	6.45E-09
13	10	37	36	22566.05		5621.59	1.7789	0.0400	0.0	0.0	0.0	0.0	3.51E-10	1.79E-09
12	9	5	6	18415.73		5621.74	1.7788	0.0621	0.0	0.0	0.0	0.0	1.44E-10	4 - 1 3 E - 0 9
13	10	28	27	21566.74	1	5621.92	1.7788	0.0400	0.0	0.0	0.0	0.0	6.10E-10	9.00E-09
13	10	36	35	22441.36	1	5622.06	1.7787	0.0400	0.0	0.0	0.0	0.0	2.56F-10	6:26E-09
7	4	60	61	15332.79	1	5622.28	1.7786	0.0400	0.0	0.0	0.0	3.37E-10	1.56E-10 1.00F-08	4.38E-09
13	10	29	28	21664.07	1	5622.32	1.7786	0.0400	0.0	0.0	0.0	0.0	2.44E-10	4.0SE-08
13	10	35	34	22320.07	1	5622.43	1.7786	0.0400	0.0	0.0	0.0	0.0	1.69F-10	6.05E-09
13	10	30	29	21764.84	1	5622.61	1.7785	0.0400	0.0	0.0	0.0	0.0	2.31E-10	4.64E-09 5.82E-09
13	10	34	33	22202.19	1	5622.68	1.7785	0.0400	0.0	0.0	0.0	0.0	1.816-10	4.89E-09
13	10	31	30	21869.04	1	5622.79	1.7785	0.0400	0.0	0.0	0.0	0.0	2.19E-10	5.61E-09
13	10	33	32	22087.72	1	5622.83	1.7785	0.0400	0.0	0.0	0.0	0.0	1.94E-10	5.14E-09
13	10	32	31	21976.67	1	5622.87	1.7785	0.0400	0.0	0.0	0.0	0.0	2.06E-10	5.386-09
12	9	70	69	26723.91	1	5623.04	1.7784	0.0400	0.0	0.0	0.0	0.0	0.0	3.07E-10
4	1	81	82	14823.48	1	5623.82	1.7782	0.0400	0.0	0.0	0.0	0.0	1.925-09	1.59E-08
10	7	14	15	14556.26	2	5623.94	1.7781	0.0517	0.0	0.0	0.0	0.0	3.19F-10	2.54E-09
7	4	48	49	12541.73	2	5623.98	1.7781	0.0400	0.0	0.0	0.0	0.0	1.346-09	7.73E-09
11	8	20	21	17230.61	1	5625.45	1.7776	0.0447	0.0	0.0	0.0	0.0	4.25E-09	5-18E-08
12	9	4	5	18394.55		5625.79	1.7775	0.0645	0.0	0.0	0.0	0.0	5.235-10	7.698-09
9	6	27	28	13606.95		5626.51	1.7773	0.0400	0.0	0.0	0.0	0.0	8-43E-10	5.75E-09
10	7	32	33	16461.06		5626.66	1.7773	0.0400	0.0	0.0	0.0	2.37F-10	9.22F-09	9.95E-08
8	5	38	39	12953.84		5627.03	1.7771	0.0400	0.0	0.0	0.0	0.0	1.30E-09	7.97E-09
3	0	87	88	14679.17		5627.06	1.7771	0.0400	0.0	0.0	0.0	0.0	5.39F-10	4.36E-09
12	9	69	68	26488.41	1	5627.20	1.7771	0.0400	0.0	0.0	0.0	0.0	0.0	3.60E-10
6	3	67	68	14989.13	1	5627.72	1.7769	0.0400	0.0	0.0	0.0	2.98F-10	8.16E-09	6.96F-08
5	2	74	75	14818.89	1	5628.22	1.7768	0.0400	0.0	0.0	0.0	1.85F-10	4 . 85F-09	4.02E-08
5	2	64	65	11808.00		5628.43	1.7767	0.0400	0.0	0.0	0.0	0.0	8.31F-10	4.25F-09
10	7	13	14	14504.62		5628.75	1.7766	0.0528	0.0	0.0	0.0	0.0	3.16F-10	2.49F-09
9	6	42	43	15880.58	1	5628.93	1.7765	0.0400	0.0	0.0	0.0	3.71E-10	1.26E-08	1.24F-07
6	3	56	57	12065.10	2	5629.27	1.7764	0.0400	0.0	0.0	0.0	0.0	1.26E-09	6.72E-09
12	9	3	4	18376.90	1	5629.74	1.7763	0.0676	0.0	0.0	0.0	0.0	4.29E-10	6.29E-09
8	5	51	52	15462.93	1	5629.76	1.7763	0.0400	0.0	0.0	0.0	4 • 4 2E-10	1.356-08	1.25E-07
	0	78	79	11391.37	2	5630.70	1.7760	0.0400	0.0	0.0	0.0	0.0	1.25F-10	5.99E-10
11	8	19 68	20 67	17155.96	1	5631.08	1.7759	0.0458	0.0	0.0	0.0	0.0	4.39E-09	5.29E-08
4	1	71	72	26256.09 11515.21	1	5631.23	1.7758	0.0400	0.0	0.0	0.0	0.0	0.0	4.22E-10
7	4	59	60		2	5631.87	1.7756	0.0400	0.0	0.0	0.0	0.0	4.45E-10	2.18E-09
7	4	47	48	15112.37	1 2	5632.00	1.7756	0.0400	0.0	0.0	0.0	4.34F-10	1.22E-08	1.06E-07
9	6	26	27	13510.00	2	5632.07	1.7755	0.0400	0.0	0.0	0.0	1.07F-10	1.56E-09	8.75E-09
10	7	12	13	14456.43	2	5632.58 5633.45	1.7754	0.0400	0.0	0.0	0.0	0.0	9-01E-10	6.06E-09
10	7	31	32	16343.14	1	5633.53	1.7751 1.7751	0.0540 0.0400	0.0	0.0	0.0	0.0	3.10F-10	2.42E-09
12	9	2	3	18362.78	i	5633.58	1.7751	0.0707	0.0	0.0	0.0	2.66E-10	1.01E-08	1.076-07
8	5	37	38	12818.19		5634.17	1.7749	0.0400	0.0 0.0	0.0	0.0	0.0	3.29E-10	4.81F-09
•					_		******		3.0	0.0	0.0	0.0	1.45E-09	8.71F-09

Vu	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT		SORPTION ** COI -2*ATM-1	EFFICIENT *:	******
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 90	0 τ = 1200	T = 1500	T = 1800
12	9	67	66	26026.96	1	5635.15	1.7746	0+0400	0.0	0.0	0.0	0.0	0.0	4.93E-10
4	1	80	81	14524.67	1	5635.63	1.7744	0.0400	0.0	0.0	0.0	1.04E-10	2.54E-09	2.01E-08
11	8	18	19	17084.85	1	5636.61	1.7741	0.0470	0.0	0.0	0.0	0.0	4.50E-09	5.37E-08
9	6	41	42	15726.23		5636.83	1.7740	0-0400	0.0	0.0	0.0	4.39E-10	1-436-08	1.38E-07
12	9	1	2	18352.19		5637.32	1.7739	0.0738	0.0	0.0	0.0	0.0	2.23E-10	3.56E-09
5	2	63	64	11579.50		5638.03	1.7737	0.0400	0.0	0.0	0.0	0.0	1.026-09	5.05E-09
10	7	11	12	14411.66		5638.07	1.7737	0.0542	0.0	0.0	0.0	0.0	3.01E-10	2.34E-09
6	3	55	56	11865.33		5638.12	1.7736	0.0400	0.0	0 • 0	0.0	1.175-10	1.51E-09	7.81E-09
6	3	66	67	14742.56	1	5638.15	1.7736	0.0400	0.0	0.0	0.0	3.97E-10	1.02E-08	8.395-08
9	6	25	26	13416.50		5638.56	1.7735	0.0400	0.0	0.0	0.0	0.0	9.59E-10	6•35E~09
8	5	50	51	15275.54		5638.58	1.7735	0.0400	0.0	0.0	0.0	5.47E-10	1.60E-08	1.43E-07
12	9	66	65	25801.04		5638.96	1.7734	0.0400	0.0	0.0	0.0	0.0	0.0	5.74E-10
11	8	83	82	28255.82	1	5638.97	1.7734	0.0400	0.0	0.0	0.0	0.0	0.0	9.10E-11
5	2	73	74	14546.17	1	5639.35	1.7733	0+0400	0.0	0.0	0.0	2.54E-10	6.25E-09	4.96E-08
3	0	86	87	14357.63		5639.46	1.7732	0.0400	0.0	0.0	0.0	0.0	7.28E-10	5.61E-09
7	4	46	47	12202.98		5640.07	1.7730	0.0400	0.0	0.0	0.0	1.29E-10	1.81E-09	9.87E-09
10	7	30	31	16228,73		5640.31	1.7730	0.0400	0.0	0.0	0.0	2.985-10	1.10E-08	1 • 1 4E-07
12	9	0	1	18345.12		5640.96	1.7727	0.0769	0.0	0.0	0.0	, 0 • 0	1-13E-10	1.65E-09
8	5	36	37	12685.95		5641.21	1.7727	0.0400	0.0	0.0	0.0	`1.03E-10	1.61E-09	9.50E-09
3	0	77	78	11112.08	2	5641.61	1.7725	0.0400	0.0	0.0	0.0	0.0	1.62E-10	7.44E-10
7	4	58	59	14895.39	1	5641 +63	1.7725	0.0400	0.0	0.0	0.0	5.58E-10	1.49E-08	1.255-07
11	8	17	18	17017.28		5642.04	1.7724	0.0482	0.0	0.0	0.0	1.03E-10	4.59E-09	5.41E-08
4	1	70	7 I	11261.30		5642.13	1.7724	0.0400	0.0	0.0	0.0	0.0	5.63E-10	2.64E-09
10	7	10	11	14370.33		5642.58	1.7722	0.0545	0.0	0.0	0.0	0.0	2.90E-10	2.24E-09
12	9	65	64	25578.32		5642.65	1.7722	0.0400	0.0	0.0	0.0	0.0	0.0	6.67E-10
9	6	24	25	13326.42		5644.45	1.7717	0.0400	0.0	0.0	0.0	0.0	1.025-09	6.63E-09
11	8	82	81	27977.05		5644.59	1.7716	0.0400	0.0	0.0	0.0	0.0	0.0	1.115-10
9	6	40	41	15575.37		5644.64	1.7716	0.0400	0.0	0.0	0.0	5.17E-10	1.63E-08	1.532-07
12	9	64	63	25358.84	1	5646.23	1.7711	0.0400	0.0	0.0	0.0	0.0	0.0	7.72E-10
6	3	54	55	11668.92		564 6 • 88	1.7709	0.0400	0.0	0.0	0.0	1.47E-10	1.81E-09	9.05E-09
10	7	29	30	16117.86		5646.98	1.7709	0.0400	0.0	0.0	0.0	3.31E-10	1.19E-08	1.21E-07
10	7	9	10	14332.44		5647.00	1.7709	0.0547	0.0	0.0	0.0	0.0	2.76E-10	2-11E-09
8	5	49	50	15091.63		5647.30	1.7708	0.0400	0.0	0.0	0.0	6.74E-10	1.89E-08	1.64E-07
4	1	79	80	14229.17		5647.35	1.7707	0.0400	0.0	0.0	0.0	1.47E-10	3.35E-09	2.53E-08
11	в	,16	17	16953.25	1	5647.36	1.7707	0.0493	0.0	0.0	0.0	1.06E-10	4.65E-09	5.43E-08
. 5	2	62	63	11354.33		5647.55	1.7707	0.0400	0.0	0.0	0.0	1.10E-10	1.26E-09	5.98E-09
12	9	1	0	18341.60		5647.91	1.7706	0.0769	0.0	0.0	0.0	0.0	1.16E-10	1.69E-09
7	4	45	46	12038.69		5647.97	1.7705	0.0400	0.0	0.0	0.0	1.55E-10	2.09E-09	1.11E-08
8	5	35	36	12557.12		5648.16	1.7705	0.0400	0.0	0.0	0.0	1.17E-10	1.79E-09	1.03E-08
6	3	65	66	14499.39	1	5648.48	1.7704	0.0400	0.0	0.0	0.0	5.26E-10	1.28E-08	1.01E-07
12	9	63	62	25142.58		5649.70	1.7700	0.0400	0.0	0.0	0.0	0.0	0.0	8.91E-10
11	8	81	80	27701.36		5650 • 10	1.7699	0.0400	0.0	0.0	0.0	0.0	0.0	1.36E-10
9	6	23	24	13239.77		5650 • 24	1.7698	0.0412	0.0	0.0	0.0	0.0	1.07E-09	6.88E-09
5	2	72	73	14276.81		5650.38	1.7698	0.0400	0.0	0.0	0.0	3.48E-10	8.02E-09	6-10E-08
7	4	57	58	14681.85		5651.16	1.7695	0.0400	0.0	0.0	0•0 .		1.82E-08	1 • 4 7 E - 0 7
12	9	2	1	18345.12		5651.24	1.7695	0.0738	0.0	0.0	0.0	0.0	2.33E-10	3.40E-09
10	7	8	9	14297.99		5651.32	1.7695	0.0550	0.0	0.0	0.0	0.0	2.59E-10	1.97E-09
3	0	85	86	14039.36		5651.77	1.7694	0.0400	0.0	0.0	0.0	0.0	9.83E-10	7.20E-09
4	1	69 39	70	11010,69		5652.30	1.7692	0.0400	0.0	0.0	0.0	0.0 6.07E-10	7.10E-10	3.20E-09
9	6	-	40	15428.02		5652.34	1.7692	0.0400	0.0	0.0	0.0		1.84E-08	1.69E-07
3	0	76	77	10836.05		5652.43	1.7691	0.0400	_ 0.0	-0.0		0.0	2.10E-10	9.21E-10
11 12	8	15 62	16 61	16892.75		5652.58	1.7691	0.0505	0.0	0.0	0.0	1.08E-10	4+68E-09	5.41E-08
12	y	92	81	24929,57	•	5653.05	1.7690	0.0400	0.0	0.0	0.0	. 9.0	0.0	1.02E-09

VU	٧L	JŲ	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HĀLĒ WIDTH	******	*** INTEGRAT		DRPTTON ** COE	EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
10	7	28	29	16010.51	ı	5653.56	1.7688	0.0400	0.0	0.0	0.0	3.68E-10	1.29E-08	1.29E-07
12	9	3	2	18352.19	1	5654.45	1.7685	0.0707	0.0	0.0	0.0	0.0	3.51E-10	5.13E-09
8	5	34	35	12431.72	2	5655.02	1.7683	0.0400	0.0	0.0	0.0	1.33E-10	1.97E-09	1.12E-08
i 1	8	08	79	27428.76		5655.49	1.7682	0.0400	0.0	0.0	0.0	0.0	0.0	1.65E-10
10	7	7	8	14266.98		5655.55	1.7682	0.0574	0.0	0.0	0.0	0.0	2.39E-10	1.81E-09
6	3	53	54	11475.88		5655.55	1.7682	0.0400	0.0	0.0	0.0	1.83E-10	2-15E-09	1.05E-08
7	4	44	45	11877.80		5655.79	1.7681	0.0400	0.0	0.0	0.0	1.86E-10	2.40E-09	i • 24E-08
8	5	48	49	14911.20		5655.93	1.7681	0.0400	0.0	0.0	0.0	8.26E-10	2.22E-08	1.87E-07
9	6	22	23	13156.57		5655.94	1.7681	0.0423	0.0	0.0	0.0	0.0	1.12E-09	7.12E-09
12	9	61	60	24719.80		5656.28	1.7679	0.0400	0.0	0.0	0.0	0.0	0.0	1.18E-09
5	2	61	62	11132.49		5656.97	1.7677	0.0400	0.0	0.0	0.0	1.42E-10	1.54E-09	7.07E-09
12	9	4	3	18362.78		5657.56	1.7675	0.0676	0.0	0.0	0.0	0.0	4.69E-10	6.86E-09
11	8	14	15	16835.81		5657.70	1.7675	0.0517	0.0	0.0	0.0	1.1ÒE-10	4.67E-09	5.36E-08
6	3	64	65	14259.63		5658.72	1.7672	0.0400	0.0	0.0	0.0	6.94E-10	1.59E-08	1.21E-07
4	1	78	79	13937.00		5658.98	1.7671	0.0400	0.0	0.0	0.0	2.07F-10	4.40E-09	3.17E-08
12	9	60	59	24513.30		5659.41	1.7670	0.0400	0.0	0.0	0.0	0.0	0.0	1.34E-09
10	7	6	7	14239.42		5659.68	1.7669	0.0597	0.0	0.0	0.0	0.0	2.16E-10	1.63E-09
9	6	36	39	15284.19		5659.95	1.7668	0.0400	0.0	0.0	0.0	7.08E-10	2.08E-08	1.86E-07
10	7	27	28	15906.70		5660.03	1.7668	0.0400	0.0	0.0	0.0	4.06E-10	1.38E-08	1.37E-07
12	9	5	4	18376.90		5660.57	1.7666	0.0645	0.0	0.0	0.0	0.0	5.85E-10	8.57E-09
7	4	56	57	14471.76		5660.60	1.7666	0.0400	0.0	0.0	0.0	9.11E-10	2.20E-08	1.73E-07
11	8	79	78	27159.25		5660.76	1.7665	0.0400	0.0	0.0	0.0	0.0	0.0	1.99E-10
5	2	71	72	14010.82		5661.31	1.7664	0.0400	0.0	0.0	0.0	4.75E-10	1.03F-08	7.49E-08
9	6	21	22	13076.80		5661.54	1.7663	0.0435	0.0	0.0	0 • 0	0.0	1.175-09	7.33E-09
8	5	33	34	12309.75	2	5661.79	1.7662	0.0400	0.0	0.0	0.0	1.51E-10	2.175-09	1 -20E-08
4	1	68	69	10763.38		5662.39	1.7660	0.0400	0.0	0.0	0.0	0.0	8.93E-10	3.87E-09
12	9	59	58	24310.07		5662.42	1.7660	0.0400	0.0	0.0	0.0	0.0	0.0	1 •54E-09
11	8	13	14	16782.41	1	5662.72	1.7659	0.0528	0.0	0.0	0.0	1.10E-10	4.63E-09	5.26E-08
3	0	75	76	10563.28		5663.16	1.7658	0.0400	0.0	0.0	0.0	0.0	2.71E-10	1.14E-09
12	9	6	5	18394.55		5663.47	1.7657	0.0621	0.0	0.0	0.0	0.0	6.98E-10	1.03E-08
7	4	43	44	11720.32		5663.51	1.7657	0.0400	0.0	0+0	0.0	2.21E-10	2.75E-09	1.39E-08
10 3	7	5	6	14215.30	2	5663.71	1.7656	0.0621	0.0	0.0	0.0	0.0	1.91E-10	1.445-09
	0	84	85	13724.39		5663.99	1.7655	0.0400	0.0	0.0	0.0	0.0	1.32F-09	9.226-09
6		52	53	11286.22		5664.13	1.7655	0.0400	0+0	0.0	0.0	2.28E-10	2.56E-09	1.20E-08
8 12	5 9	47 58	48 57	14734.27		5664.45	1.7654	0.0400	0.0	0.0	0.0	1.01F-09	2.595-08	2.12E-07
11	8	78	77	24110.11	1	5665.32	1.7651	0.0400	0.0	0.0	0.0	0.0	0.0	1.766-09
12	9	7	6	26892.85		5665.92	1.7649	0.0400	0.0	0.0	0.0	0.0	0.0	2.41E-10
5	2	60	61	18415.73		5666.26	1.7648	0.0597	0.0	0.0	0.0	0.0	8.06F-10	1.19E-08
10	7	26	27	10914.00		5666.31	1.7648	0.0400	0.0	0.0	0.0	1.83E-10	1.88E-09	8.326-09
.0	6	20	21	13000.48		5666.41	1.7648	0.0400	0.0	0.0	0.0	4.46E-10	1.48E-08	1.44E-07
9	6	37	38	15143.88		5667.04	1.7646	0.0447	0.0	0.0	0.0	0.0	1.21E-09	7.51E~09
11	8	12	13	16732.56		5667.46	1.7645	0.0400	0.0	0.0	0.0	8.21E-10	2.33E-08	2.04E-07
10	7	4	5	14194.62		5667.63	1.7644	0.0540	0.0	0.0	0.0	1.10E-10	4.55E-09	5.13E-08
12	9	57	56	23913.44		5667.65	1.7644	0.0645	0.0	0.0	0.0	0.0	1.54E-10	1.235-09
8	5	32	33	12191.21		5668-10	1.7643	0.0400	0.0	0.0	0.0	0.0	0.0	2.01E-09
6	3	63	64	14023.30		5668.46 5668.86	1.7641 1.7640	0.0400	0.0	0.0	0.0	1.70E-10	2.38E-09	1.296-08
12	9	8	7	18440.43		5668.95		0.0400	0.0	0.0	0.0	9.12F-10	1.98E-08	1.45E~07
7	4	55	56	14265.13		5669.94	1.7640 1.7637	0.0574	0.0	0.0	0.0	0.0	9.10E-10	1.35E-08
4	ï	77	78	13648.17		5670.51	1.7637	0.0400 0.0400	0.0	0.0	0.0	1.16E-09	2.66E-08	2.02E-07
12	9	56	55	23720.06		5670.77	1.7634	0.0400	0.0	0.0	0.0	2.91E-10	5.77E-09	3.97E-08
11	8	77	76	26629.57		5670.96	1.7634	0.0400	0.0	0.0	0.0	0.0	0.0	2.28E-09
7	4	42	43	11566.25		5671.14	1.7633	0.0400	0.0	0.0 0.0	0.0	0.0	0.0 3.145-00	2.90E-10
•	•				_			040400	0.0	V • V	0.0	2.62E-10	3.14E-09	1.55E-08

VU	VL	L	าก	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRA	TED ** ABSOR		EFFICIENT *	*****
					ENERGY		CM-1	MICRON	ИЗ	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
10	7	7	3	4	14177.38	2	5671.48	1.7632	0.0676	0.0	0.0	0.0	0.0	1.34E-10	1.00E-09
12	9	9	9	8	18468.66	1	5671.53	1.7632	0.0550	0.0	0.0	0.0	0.0	1.01E-09	1.50E-08
5	2	2	70	71	13748.23		5672.15	1.7630	0.0400	0.0	0.0	0.0	, 6.45E-10.	1.31E-08_	9-16E-08
4	1	t	67	68	10519.39		5672.38	1.7629	0.0400	0.0	0.0	0.0	1.20E-10	1.12E-09	4.66E-09
11	. 6	8	11	12	16686.27		5672.44	1.7629	0.0542	0.0	0.0	0.0	1.08E-10	4.43E-09	4.96E-08
9	ď	5	19	20	12927.62		5672.45	1.7629	0.0458	0.0	0.0	0.0	0.0	1.25E-09	7.65E-09
6	3	3	51	52	11099.95	2	5672.62	1.7629	0.0400	0.0	0.0	0.0	2.82E-10	3.02E-09	1.3.8E-08_
10			25	26	15709.71	1	5672.68	1.7628	0.0400	0.0	0.0	0.0	4.87E-10	1.58E-08	1.525-07
8		5	46	47	14560.82	1	5672.88	1.7628	0.0400	0.0	0.0	0.0	_1.22E-09	3.02E-08	_2,41E-07
12	9	€ .	55	54	23529.98	1	5673.33	1.7626	0.0400	0.0	0.0	0.0	0.0	0.0	2.58E-09
. 3	•	_	74	75	10293.79	2	5673.81	1.7625	0.0400	0.0	0.0	0.0	0.0	3.48E-10	1.40E-09
12	9	•	10	9	18500.42	1	5674.01	1.7624	0.0547	0.0	0.0	0.0	0.0	1.10E-09	1.64E-08
9	6		36	37	15007.09		5674.87	1.7622	0.0400	0.0	0.0	0.0	9.49E-10	2.61E-08	2.23E-07
8			31,	32	12076.10	2	5675.03	1.7621	0.0400	0.0	0.0	0.0	1.91E-10	2.59E-09	1.38E-08
10	7	7	2	3	14163.60	2	5675.22	1.7620	0.0707	0.0	0.0	0.0	0.0	1.03E-10	7.68E-10
5	2	2	59	60	10698.87	2	5675.55	1.7619	0.0400	0.0	0.0	0.0	2.34E-10	2.28E-09	9.77E-09
12	٩	9	54	53	23343.22	ı	5675.78	1.7619	0.0400	0.0	0.0	0.0	0.0	0.0	2.91E-09
11	ε	9	76	75	26369.43	1	5675.88	1.7618	0.0400	0.0	0.0	0.0	0.0	0.0	3.49E-10
3	C	•	83	84	13412.71	1	5676.12	1.7618	0.0400	0.0	0.0	0.0	0.0	1.77E-09	1.18E-08
12	9	€	11	10	18535.70	1	5676.38	1.7617	0.0545	0.0	0.0	0.0	0.0	1.18E-09	1.776-08
11	ε	9	10	11	16643,52	1	5677.15	1.7614	0.0545	0.0	0.0	0.0	1.05E-10	4.27E-09	4.74 <u>E-</u> 08
9	6	5	18	19	12858.20	2	5677.77	1.7613	0.0470	0.0	0.0	0.0	0 • 0,	1.28E-09	7.76E-09
12	5	9	53	52	23159.78	1	5678.11	1.7611	0.0400	0.0	0.0	0.0	0.0	1.04E-10	3.28E-09
12	5	9	12	11	18574.50	ı	5678.64	1.7610	0.0542	0.0	0.0	0.0	0.0	1.256-09	1.89E-08
7	4	4	41	42	11415.59	2	5678.68	1.7610	0.0400	0.0	0.0	0.0	3.09E-10	3.57E-09	1.72E-08
10	7	7	24	25	15616.54	ı	5678.85	1.7609	0.0400	0.0	0.0	0.0	5.29E-1Q	1.68E-08	1.59E-07
10	7	7	1	2	14153.26	2	5678.87	1.7609	0.0738	0.0	0.0	0.0	0.0	0.0	5.20E-10
6	3	3	62	63	13790.39	1	5678.91	1.7609	0.0400	0.0	0.0	0.0	1.19E-09	2.45E-08	1.725-07
7			54	55	14061.97	1	5679.18	1.7608	0.0400	0.0	0.0	0.0	1.46E-09	3.205-08	2.35E-07
12	9	9	52	51	22979.66	1	5680.33	1.7605	0.0400	0.0	0.0	0.0	0.0	1.20E-10	3.68E-09
11	8	3	75	74	26112.42	1	5680.69	1.7604	0.0400	0.0	0.0	0.0	0.0	0.0	4.18E-10
12			13	12	18616.82	1	5680.80	1.7603	0.0540	0.0	0.0	0.0	0.0	1.31E-09	2.00E-08
6	3	3	50	51.	10917.06	2	5681.02	1.7602	0.0400	0.0	0.0	0.0	3.478-10	3.56E-09	1.58E-08
8	5	5	45	46	14390.88	1	5681.22	1.7602	0.0400	0.0	0.0	0.0	1-48E-09	3.51E-08	2.72E-07
8			30	31	11964.44	2	5681.52	1.7601	0.0400	0.0	0.0	0.0	2.13E-10	2.81E-09	1 • 4 8E-0 8
11	•	9	9	10	16604.34	1	5681.75	1.7600	0.0547	0.0	0.0	0.0	1.01E-10	4.06E-09	4.48E-08
4	1	1	76	77	13362.69	1	5681,95	1.7600	0.0400	0.0	0.0	0.0	4.07E-10	7.53F-09	4.95E-08
9	•	5	35	36	14873.83	1	5682.18	1.7599	0.0400	0.0	0.0	0.0	1.09E-09	2.90E-08	2.43E-07
4	1		66	67	10278.73	2	5682.28	1.7599	0.0400	0.0	0.0	0.0	1.58E-10	1.39E-09	5.59E-09
10	7	7	0	1	14146.36	2	5682.41	1.7598	0.0769	0.0	0.0	0.0	0.0	0.0	2.64E-10
12	9		51	50	22802.87	1	5682.44	1.7598	0.0400	0.0	0.0	0.0	0.0	1.38E-10	4.12E-09
12	ç		14	13	1 8662.66	1	5682.85	1.7597	0.0528	0.0	0.0	0.0	0.0	1.37E-09	2.10E-08
5	2		6 9	70	13489.02	1	5682.90	1.7597	0.0400	0.0	0.0	0.0	8.72E-10	1.66E-08	1.12E-07
9			17	18	12792.23		5682.99	1.7596	0.0482	0.0	0.0	0.0	0.0	1.30E-09	7.82E-09
10	7		89	88	28169.73		5683.57	1.7595	0.0400	0.0	0.0	0.0	0.0	0.0	8.29E-11
3	C		73	74	10027.60		5684.37	1.7592	0.0400	0.0	0.0	0.0	0.0	4.46E-10	1.72E-09
12	9	_	50	49	22629.43		5684.44	1.7592	0.0400	0.0	0.0	0.0	0.0	1.59E-10	4.59E-09
5			58	59	10487.10		5684.71	1.7591	0.0400	0.0	0.0	0.0	2.99E-10	2.77E-09	1.15E-08
12			15	14	18712.02	1	5684.80	1.7591	0.0517	0.0	0.0	0.0	0.0	1.41E-09	2.18E-08
10	7	7	23	24	15526.91	1	5684.92	1.7590	0.0412	0.0	0.0	0.0	5.716-10	1.78E-08	1.65E-07
11	ε	8	74	73	25858.57		5685.39	1.7589	0.0400	0.0	0.0	0.0	0.0	0.0	4.99E~10
7	4		40	41	11268.36		5686.13	1.7587	0.0400	0.0	0.0	0.0	3.62E-10	4.05E-09	1.90E-08
11		8	8	9	16568.71	1	5686.26	1.7586	0.0550	0.0	0.0	0.0	0.0	3.B1E-09	4-19E-08

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE . LENGTH	HALF WIDTH	******	*** INTEGRAT		BSORPTION ** COE 4-2*ATM-1	FFICIENT *	****
				ENERGY		CM-1 .	MICRON	N2	T = 300	T = 600	T = 90			T = 1800
12	9	49	48	00450 71		5404 3 5	, 7500							
12	9	16	15	22459.34 18764.90		5686.32	1.7586	0.0400	0.0	0.0	0.0	0.0		5.1 <u>0E-0</u> 9
10	7	67	66	21654.64	1 2	5686.63 5687.01	1.7585 1.7584	0.0505	0.0	0.0	0.0	0.0	1.45E-09	2.26E-08
8	5	29	30	11856.22				0.0400	0.0	0.0	0.0	0.0	0.0	9.255-11
12	9	48	47	22292.60		5687.91 5688.09	1.7581	0.0400	0.0	0.0	0.0	2.366-10	3.04E-09	1.57E-08
9	6	16	17	12729.73		5688.11	1.7581	0.0400	0.0	0.0	0.0	0.0	2.06E-10	5.65E-09
ž	ŏ	82	83	13104.36		5688.15	1.7581	0.0493	0.0	0.0	0.0	0.0	1.32E-09	7.84E-09
7	4	53	54	13862.29		5688.33	1.7580 1.7580	0.0400 0.0400	0.0	0.0	0.0	1.36E-10	2.37E-09	1.506-08
12	9	17	16	18821.29		5688.36	1.7580	0.0493	0.0	0.0	0.0	1.84E-09	3.84E-08	2.73E-07
6	3	61	62	13560.93		5688.86	1.7578	0.0493	0.0	0.0	0.0	0.0	1.47E-09	2.31E-08
10	7	ĭ	Õ	14142.91	2	5689.21	1.7577	0.0769	0.0	0.0	0.0	1.556-09	3.02E-08	2.05E-07
ě	3	49	50	10737.57		5689.33	1.7577	0.0400	0.0	0.0	0.0	0.0	0.0	2.70E-10
ğ	6	34	35	14744.11	î	5689.39	1.7577	0.0400	0.0	0.0	0.0	4.25E-10	4.19E-09	1.81E-08
á	5	44	45	14224.45		5689.45	1.7576	0.0400	0.0	0.0 0.0	0.0	1.25E-09 1.78E-09	3.22E-08	2.64E-07
12	9	47	46	22129.23		5689.75	1.7575	0.0400			0.0		4.05E-08	3.06E-07
10	7	89	87	27869.71	i	5689.86	1.7575	0.0400	0.0	0.0	0.0	0.0	2.34E-10	
11	8	73	72	25607.89	i	5689.96	1.7575	0.0400	0.0	0.0	0.0	0.0	0.0	1.03E-10
12	9	18	17	18881.18		5689.99	1.7575	0.0482	0.0	0.0	0.0	0.0	0.0	5.95E-10
10	7	66	65	21433.60		5690.42	1.7573	0.0400		0.0	0.0	0.0	1.48E-09	2.36E-08
11	8	7	ě,	16536.64	1	5690.65	1.7573	0.0574	0.0	0.0	0.0	0.0	0.0	1.07E-10
10	7	22		15440.84		5690.89	1.7573	0.0423	0.0	0.0	0.0	0.0	3.52E-09	3.85E-08
12	9	46	45	21969.23	i	5691.30	1.7571	0.0423	0.0	0.0	0.0	6.13E-10	1.87E-08	1.71E-07
12	9	19	18	18944.59		5691.50	1.7570	0.0470	0.0	0.0	0.0	0.0	2.64E-10	6.87E-09
4	í	65	66	10041.41	2	5692.10	1.7568	0.0400	0.0	0.0	0.0	0.0	1.49E-09	2.39E-08
10	7	2	1	14146.36		5692.46	1.7567	0.0738	0.0	0.0	0.0	2.086-10	1.73E-09	6.70E-09
12	ġ	45	44	21812.60	1	5692.74	1.7566	0.0400	0.0	0.0	0.0	0.0	0.0	5.44E-10_
12	ģ	50	19	19011.50		5692.91	1.7566	0.0458	0.0	0.0	0.0	0.0	2.975-10	7.53E-09
9	6	15	16	12670.68		5693.14	1.7565	0.0505	0.0		0.0	0.0	. 1.4BE-09	2.40E-08
4	1	75	76	13080.58		5693.30	1.7565	0.0303	0.0	0.0	0.0	0.0	1.33E-09	7.80E-09
7	4	39	40	11124.55		5693.49	1.7564	0.0400	0.0	0 • 0 0 • 0	0.0	5.66E-10 4.23E-10	9.80E-09 4.57E-09	_6.16E-08
5	2	68	69	13233.23		5693.56	1.7564	0.0400	0.0	0.0	0.0			2.10E-08
10	7	65	64	21215.71	ž	5693.72	1.7563	0.0400	0.0			1.17E~09	. 2.11E-08	1.36E-07
5	2	57	58	10278.70		5693.78	1.7563	0.0400	0.0	0.0	0.0	0.0	0.0	1.24E-10
12	9	44	43	21659.36		5694.07	1.7562	0.0400	0.0	0.0 0.0	0.0	3.80E-10		1.35E-08
8	5	28	29	11751.45		5694.20	1.7562	0.0400				0.0	3.32E-10	B.24E-09
12	9	21	20	19081-91		5694.21	1.7562	0.0447	0.0	0.0	0.0	2.61E-10	3.28E-09	1.67E-08
11	é	72	71	25360.39		5694.43	1.7561	0.0400	0.0	0.0	0.0	0.0	1 -47E-09	2.41E-08
3	ō	72	73	9764.71		5694.84	1.7560	0.0400	0.0	0.0	0.0	-0.0	0.0	7.06E-10
11	ě	6	7	16508.13	1	5694.95	1.7559	0.0597	0.0				5.705-10	2.11E-09
12	9	43	42	21509.51	î '	5695.28	1.7558	0.0400	0.0	0.0	0.0	0.0	3-19E-09	3.47E-08
12	9	22	21	19155.82		5695.40	1.7558	0.0435	0.0	0.0			3.71E-10	8.97E-09
10	7	3	2	14153.26		5695.61	1.7557	0.0707	0.0	0.0	0.0	-0.0	1.45E-09 1.10E-10	2.40E-08 8.22E-10
10	7	87	86	27572.73		5696.03	1.7556	0.0400	0.0	0.0				
12	9	42	41	21363.06		5696.39	1.7555	0.0400	0.0		0.0	0.0	0.0	1.28E-10
12	ģ	23	22	19233.23		5696.49	1.7555	0.0423	0.0	0.0		0.0	4.12E-10	9.746-09
9	6	33	34	14617.93		5696.50	1.7555	0.0400	0.0	0.0	0.0	1.42E-09	1.425-09	2.38E-08
10	7	21	22	15358.34		5696.76	1.7554	0.0435	0.0	0.0		6.53E-10	3.55E-08	2.85E-07
10	7	64	63	21001.00		5696.92	1.7553	0.0400	0.0	0.0	0.0	0.0	1.95E-08 0.0	1.77E-07 1.43E-10
7	4	52	53	13666.09		5697.38	1.7552	0.0400	0.0	0.0	0.0	2.30E-09	4.58E-08	3.16E-07
12	9	41	40	21220.01	î	5697.38	1.7552	0.0400	0.0	0.0	0.0	0.0	4.57E-10	1.05E-08
12	ģ	24	23	19314.13		5697.46	1.7552	0.0412	0.0	0.0	0.0	0.0		
6	ž	48	49	10561.49		5697.54	1.7551	0.0412	0.0	0.0	0.0	5.19E-10	1.38E-09 4.90E-09	2.35E-08_
ē	5	43	44	14061.54		5697.59	1.7551	0.0400	0.0	0.0	0.0			2.05E-08
-	_				•	-0 71 10 2	*******	0.0400	0.0	0.0	U.U	2.13E-09	_4.67E-08_	3.43E-07

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	*** INTEGRAT		ORPTION ** COS	EFFICIENT *	****
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
9	6	14	15	12615.09	2	5698.08	1.7550	0.0517	0.0	0.0	0.0	0.0	1.326-09	7.72E-09
12	9	40	39	21080.37	ī	5698.27	1.7549	0.0400	0.0	0.0	0.0	0.0	5.03E-10	1 - 14E-08
12	9	25	24	19398.52	1	5698.33	1.7549	0.0400	0.0	0.0	0.0	0.0	1.34E-09	2.31E-08
10	7	4	3	14163.60	2	5698.67	1.7548	0.0676	0.0	0.0	0.0	0.0	1.47E-10	1.10E-09
6	3	60	61	13334.93	1	5698.72	1.7548	0-0400	0.0	0.0	0.0	2.01E-09	3.70E-08	2.42E-07
11	8	71	70	25116.07	1	5698.77	1.7548	0.0400	0.0	0.0	0.0	0.0	0.0	8.366-10
12	9	39	38	20944.14	1	5699.04	1.7547	0.0400	0.0	0.0	0.0	0.0	5.53E-10	1.226-08
12	9	26	25	19486.39	1	5699.09	1.7547	0.0400	0.0	0.0	0.0	0.0	1.29E-09	2.26E-08
11	8	5	6	16483.18	1	5699.14	1.7547	0.0621	0.0	0.0	0.0	0.0	2.83E-09	3.06E-08
12	9	38	37	20811.34	1	5699.70	1.7545	0.0400	0.0	0.0	0.0	0.0	6.05F-10	1.31E-08
12	9	27	26	19577.75	1	5699.74	1.7545	0.0400	0.0	0.0	0.0	0.0	1.24E-09	2.20E-08
10	7	63	62	20789.45	2	5700.01	1.7544	0.0400	0.0	0.0	0.0	0.0	0.0	1.646-10
3	О	81	82	12799.33	1	5700.10	1.7544	0.0400	0.0	0.0	0.0	t.95E-10	3.16E-09	1.90E-08
12	9	37	36	20681.96	1	5700.25	1.7543	0.0400	0.0	0.0	0.0	0.0	6.595-10	1.40E-08
12	9	28	27	19672.59	1	5700.28	1.7543	0.0400	0.0	0.0	0.0	0.0	1.18E-09	2-13E-08
8	5	27	28	11650.14	2	5700.40	1.7543	0.0400	0.0	0.0	0.0	2.88E-10	3.53E-09	1.76E-08
12	9	36	35	20556.01	1	5700.70	1.7542	0.0400	0.0	0.0	0.0	0.0	7.15E-10	1.48E-08
12	9	29	28	19770.91	1	5700.72	1.7542	0.0400	0.0	0.0	0.0	0.0	1.125-09	2.06E-08
7	4	38	39	10984.19	2	5700.75	1.7542	0.0400	0.0	0.0	0.0	4.91F-10	5.13E-09	2.30E-08
12	9	35	34	20433.50	1	5701.03	1.7541	0.0400	0.0	0.0	0.0	0.0	7.72E-10	1.57E-08
12	9	30	29	19872.69	1	5701.04	1.754L	0.0400	0.0	0.0	0.0	0.0	1.06E-09	1.98E-08
12	9	34	3ं3	20314.43	1	5701.25	1.7540	0.0400	0.0	0.0	0.0	0.0	8.30E-10	1.66E-08
12	9	31	зò	19977.94	1	5701.26	1.7540	0.0400	0.0	0.0	0.0	0.0	1.01E-09	1.90E-08
12	9	33	32	20198.81	1	5701.36	1.7540	0.0400	0.0	0.0	0.0	0.0	8-89E-10	1.74E-08
12	9	32	31	20086.64	1	5701.37	1.7540	0.0400	0.0	0.0	0.0	0.0	9.48E-10	1.83E-08
10	7	5	4	14177.38	2	5701.62	1.7539	0.0645	0.0	0.0	0.0	0.0	1.84E-10	1.37E-09
4	1	64	65	9807.43	2	5701.83	1.7538	0.0400	0.0	0.0	0.0	2.736-10	2-15E-09	8.00E-09
10	7	86	85	27278.79	1	5702.09	1.7537	0.0400	0.0	0.0	0.0	0.0	0.0	1.59E-10
10	7	20	21	15279.39	1	5702.53	1.7536	0.0447	0.0	0.0	0.0	6.92E-10	2.03E-08	1.81E-07
5	2	56	57	10073.68	2	5702.75	1.7535	0.0400	0.0	0.0	0.0	4.82E-10	4.05E-09	1.57E-08
9	6	13	14	12562.97	2	5702.91	1.7535	0.0528	0.0	0.0	0.0	0.0	1.31E-09	7.58E-09
10	7	62	61	20581.09	2	5702.99	1.7535	0.0400	0.0	0.0	0.0	0.0	0.0	1.88E-10
11	8	70	69	24874.95	1	5703.01	1.7535	0.0400	0.0	0.0	0.0	0.0	0.0	9.87E-10
11	8	4	5	16461.79	1	5703.23	1.7534	0.0645	0.0	0.0	0.0	0.0	2.42E-09	2.62F-08
9	6	32	33	14495.30	1	5703.51	1.7533	0.0400	0.0	0.0	0.0	1.61F-09	3.90E-08	3.07E-07
5	2	67	68	12980.85	1	5704.12	1.7531	0.0400	0.0	0.0	0.0	1.57E-09	2.66F-08	1.65E-07
10	7	6	5	14194.62	2	5704.48	1.7530	0.0621	0.0	0.0	0.0	0.0	2.195-10	1.65E-09
4	1	74	75	12801.85	1	5704.56	1.7530	0.0400	0.0	0.0	0.0	7.85E-10	1.27E-08	7.64E-08
3	0	71	72	9505.12	2	5705.22	1.7528	0.0400	0.0	0.0	0.0	0.0	7.26E-10	2.57E-09
8	5	42	43	13902.14	1	5705.62	1.7527	0.0400	0.0	0.0	0.0	2.54E-09	5.36E-08	3.84E-07
6	3	47	48	10388.82	2	5705.67	1.7526	0.0400	0.0	0.0	0.0	6.30E-10	5.71E-09	2.33E-08
10	7	61	60	20375.92	2	5705.87	1.7526	0.0400	0.0	0.0	0.0	0.0	0.0	2.15E-10
7	4	51	52	13473.39	1	5706.33	1.7524	0.0400	0.0	0.0	0.0	2.87E-09	5.455-08	3.65E-07
8	5	26	27	11552.28	2	5706.51	1.7524	0.0400	0.0	0.0	0.0	3.15F-10	3.78E-09	1.86E-08
11	8	69	68	24637.04	1	5707.13	1.7522	0.0400	0.0	0.0	0.0	0.0	0.0	1.16E-09
11	8	3	4	16443.96	1	5707.21	1.7522	0.0676	0.0	0.0	0.0	0.0	1.995-09	2.14E-08
10	7	7	6	14215.30	2	5707.24	1.7522	0.0597	0.0	0.0	0.0	0.0	2.54F-10	1.91E-09
9	6	12	13	12514.32	2	5707.66	1.7520	0.0540	0.0	0.0	0.0	0.0	1.296-09	7.38E-09
7	4	37	38	10847.26	2	5707.92	1.7520	0.0400	0.0	0.0	0.0	5.68E-10	5.74E-09	2.52E-08
10	7	85	84	26987.90	i	5708.03	1.7519	0.0400	0.0	0.0	0.0.	0.0	0.0	1-96E-10
10	7	19	20	15204.01	1	5708.19	1.7519	0.0458	0.0	0.0	0.0	7.28E-10	2.10E-08	1.85E-07
6	3	59	60	13112.37	1	5708.48	1.7518	0.0400	0.0	0.0	0.0	2.60E-09	4.53E-08	2.86E-07
10	7	60	59	20173.95	2	5708.64	1.7517	0.0400	0.0	0.0	0.0	0.0	0.0	2.45E-10

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVF LFNGTH	"HALF WIDTH	******	** INTEGRAT		PTION ** CON	EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	r = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
10	7	8	7	14239.42	2	5709.90	1.7513	0.0574	0.0	0.0	0.0	0.0	2.87E-10	2.16E-09
9	6	31	32	14376.23	1	5710.42	1.7512	0.0400	0.0	0.0	0.0	1.81F-09	4.27F-08	3.30E-07
1 1	8	2	3	16429.71	ı	5711.09	1.7510	0.0707	0.0	0.0	0.0	0.0	1.52F-09	1-64E-08
11	8	68	67	24402.34	1	5711.13	1.7510	0.0400	0.0	0.0	0.0	0.0	0.0	1.36E-09
10	7	59	58	19975.19		5711.30	1.7509	0.0400	0.0	0.0	0.0	0.0	0.0	2.80E-10
4	1	67	64	9575.80		5711.47	1.7509	0.0400	0.0	0.0	0.0	3.56E-10	2.655-09	9.52F-09
5	2	55	56	9872.04		5711.64	1.7508	0.0400	0.0	0.0	0.0	6.09E-10	4 • 87E-09	1.83E-08
3	0	80	81	12497.64	1	5711.95	1.7507	0.0400	0.0	0.0	0.0	2.795-10	4.19E-09	2.40E-08
9	6	11	12	12469.13		5712.30	1.7506	0.0542	0.0	0.0	0.0	0.0	1.25F-09	7.13F-09
10	7	9	8	14266.98	2	5712.46	1.7506	0.0550	0.0	0.0	0.0	0.0	3.17F-10	2.41E-09
8	5	25	26	11457.88		5712.52	1.7505	0.0400	0.0	0.0	0.0	3.44F-10	4.02F~09	1.95F-08
8	5	41	42	13746.29		5713 <u>.</u> 56	1.7502	0.0400	0.0	0.0	0.0	3.01E-09	6.125-08	4.28E-07
6	3	46	47	10219.57		5713,70	1.7502	0.0400	0.0	0.0	0.0	7.62F-10	6.62F-09	2.63E-08
10	7	18	19	15132.20	i	5713.76	1.7502	0.0470	0.0	0.0	0.0	7.61F-10	2.155-08	1.88F-07
10	7	84	8.3	26700.09	į	5713.65	1.7501	0.0400	0.0	0.0	0.0	0.0	0.0	2.41E-10
10	7	56	57	19779.64		5713.86	1.7501	0.0400	0.0	0.0	0.0	0.0	0.0	3.18E-10
5	2	66	67	12731.90		5714.58	1.7499	0.0400	0.0	0.0	0.0	2.10F-09	3.356-08	1.996-07
11	6	1	2	16419.01	1	5714.86	1.7498	0.0738	0.0	0.0	0.0	0.0	1.075-09	1.116-08
10	7	0.1	9	14297.99	2	5714.92	1.7498	0.0547	0.0	0.0	0.0	0.0	3.46F-10	2.64E-09
7	4	36	37	10713.77		5715.00	1.7498	0.0400	0.0	0.0	0.0	6.54E-10	6.40F-09	2.75F-08
11	8	67	66	24170.88	1	5715.02	1.7498	0.0400	0.0	0.0	0.0	0.0	0.0	1.60F-09
7	4	50	5 l	13284.19	1	5715.19	1.7497	0.0400	0.0	0.0	0.0	3.56F-09	5.4GF-08	4.20E-07
3	0	70	71	9248.86		5715.51	1.7496	0.0400	0.0	0.0	0 • 0	1.34E-10	9.20E-10	3.136-09
4	1	73	74	12526.50		5715.72	1.7496	0.0400	0.0	0.0	0.0	1.08E-09	1.646-08	9.456-08
10	7	57	56	19587.32		5716.32	1.7494	0.0400	0.0	0.0	0.0	0.0	0.0	3.62F-10
9	6	10	11	12427.41	2	5716.85	1.7492	0.0545	0.0	0.0	0.0	0.0	1.21F-09	6.81E-09
9	6	30	31	14260.70	ı	5717.23	1.7491	0.0400	0.0	0.0	0.0	2.02E-09	4.656-08	3.536-07
10	7	11	10	14332.44	2	5717.28	1.7491	0.0545	0.0	0.0	0.0	0.0	3.72F-10	2.85E-09
٠6	3	58	59	12893.29	ì	5718.15	1.7488	0.0400	0.0	0.0	0.0	3.35E-09	5.55E-08	3.38E-07
. 8	5	24	25	11366.95		5718.44	1.7487	0.0400	0.0	0.0	0.0	3.726-10	4.26E-09	2.04E-08
11	8	0	1	16411.88	l .	5718.53	1.7487	0.0769	0.0	0.0	0.0	0.0	5.25F-10	5.62F-09
10	7	56	55	19398.23	2	5718.66	1.7487	0.0400	0.0	0.0	0.0	0.0	0.0	4.09E-10
11	8	66	65	23942.65		5718.79	1.7486	0.0400	0.0	0.0	0.0	0.0	0.0	1.86E-09
10	7	17	18	15063.96		5719.22	1.7485	0.0482	0.0	0.0	0.0	7.895-10	2.20E-08	1.90E-07
10 10	7	12	11	14370.33		5719.55	1.7484	0.0542	0.0	0.0	0.0	0.0	3.96F-10	3.05E-09
5		83 54	82	26415.37	1	5719.56	1.7484	0.0400	0.0	0.0	0.0	0.0	0.0	2.96E-10
10	2 7	54 55	55 54	9673.80		5720.43	1.7481	0.0400	0.0	0.0	0.0	7.65E-10	5.84E-09	2.13E-08
	1		63	19212.38		5720.91	1.7480	0.0400	0.0	0.0	0.0	0.0	0.0	4.62F-10
4 9	6	62		9349.53		5721.02	1.7479	0.0400	0.0	0.0	0.0	4.63F-10	3.27E-09	1.13E-08
8	5	40	10 41	12389.16		5721.30	1.7479	0.0547	0.0	0.0	0.0	0.0	1.15E-09	6.44E-09
6	3	45	46	13593.96	ī	5721.40	1.7478	0.0400	0.0	0.0	0.0	3.56F-09	6.96E-08	4.75E-07
	7			10053.75		5721.64	1.7478	0.0400	0.0	0.0	0.0	9.175~10	7.66E-09	2.96E-08
10 7		13 35	12	14411.66		5721.71	1.7477	0.0540	0.0	0.0	0.0	0.0	4.16F-10	3.23F-09
11	4 8	55 65	36	10583.74	2	5721.98	1.7476	0.0400	0.0	0.0	0.0	7.49F-10	7.11E-09	2.99E-08
10	7	54	64 53	23717.67		5722.45	1.7475	0.0400	0.0	0.0	0.0	0.0	0.0	2.16E-09
3	ó	79		19029.77		5723.05	1.7473	0.0400	0.0	0.0	0.0	0.0	0.0	5.20E-10
10	7	14	80 13	12199.31	1	5723.70	1.7471	0.0400	0.0	0.0	0.0	3.96F-10	5.55E-09	3.03E-08
9	6	29	30	14456.43		5723.77	1.7471	0.0528	0.0	0.0	0.0	0.0	4.34F-10	3.39F-09
7	4	49	50	13098.50		5723.94 5723.05	1.7470	0.0400	0.0	0.0	0.0	2.25E-09	5.04E-08	3.76E-07
é	5	23	24	11279.49	1	5723.95	1.7470	0.0400	0.0	0.0	0.0	4.39F-09	7.63E-08	4.81E-07
10	7	16	17	14999.30	2	5724.27	1.7469	0.0412	0.0	0.0	0.0	4.01F-10	4.50F-09	2.12E-08
5	2	65	66	12486.39		5724.58 5724.95	1.7469 1.7467	0.0493	0.0	0.0	0.0	8.13F-10	2.23E-08	1.90E-07
~	-	0.0	0.0		•	3154.43	101401	0.0400	0.0	0.0	0.0	2.795-09	4 • 1 9E 08	2.40E-07

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVF LENGTH	HALF WIDTH	******	** [NTFGRAT		RPTION ** COI	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	7 = 900	T = 1200	T = 1500	T = 1800
10	7	53	52	18850.42	2	5725.08	1.7467	0.0400	0.0	0.0	0.0	0.0	0 - 0	5.83E-10
10	7	82	81	26133.74	1	5725.15	1.7467	0.0400	0.0	0.0	0.0-	0.0	0.0	3.625-10
11	8	1	0	16408.32	1	5725.56	1.7466	0.0769	0.0	0.0	0.0	0.0	5.37E-10	5.74E-09
9	6	e	9	12354.38	2	5725.66	1.7465	0.0550	0.0	0.0	0.0	0.0	1.08E-09	6.01F-09
3	0	69	70	8995.93	2	5725.72	1.7465	0.0400	0.0	0.0	0.0	1.79=-10	1.165-09	3.80E-09
10	7	15	14	14504.62	2	5725.74	1.7465	0.0517	0.0	0.0	0.0	0.0	4.486-10	3.53E-09
11	в	64	63	23495.95	1	5726.00	1.7464	0.0400	0.0	0.0	0.0	0.0	0.0	2.51F-09
4	1	72	73	12254.55	1	5726.79	1.7462	0.0400	0.0	0.0	0.0	1.49E-09	2.12E-08	1.175-07
10	7	52	51	18674.34	2	5727.01	1.7461	0.0400	0.0	0.0	0.0	0.0	0.0	6.52F-10
10	7	16	15	14556.26	2	5727.60	1.7459	0.0505	0.0	0.0	0.0	0.0	4.60F-10	3.65E-09
6	3	57	58	12677.69	1	5727.72	1.7459	0.0400	0.0	0.0	0.0	4.30E-09	6.76E-08	3.995-07
10	7	51	50	18501.51	2	5728.83	1.7456	0.0400	0.0	0.0	0.0	0.0	0.0	7.265-10
7	4	34	35	10457.16	2	5728.87	1.7455	0.0400	0.0	0.0	0.0	9.53F-10	7.86E-09	3.24E-08
11	a	2	1	16411.88	1	5728.91	1.7455	0.0738	0.0	0.0	0.0	0.0	1.08E-09	1.16F-08
5	2	53	54	9478.96		5729.14	1.7455	0.0400	0.0	0.0	0.0	9.57F-10	6.97F-09	2.46E-08
8	5	39	40	13445.18		5729.15	1.7455	0.0400	0.0	0.0	0.0	4.18F-09	7.995-08	5.26F-07
10	7	17	16	14611.32		5729.36	1.7454	0.0493	0.0	0.0	0.0	0.0	4.685-10	3.75F-09
11	a	63	62	23277.50		5729.43	1.7454	0.0400	0.0	0.0	0.0	0.0	0.0	2.90E-09
6	3	44	45	9891.36		5729.49	1.7454	0.0400	0.0	0.0	0.0	1.10F-09	9.875-09	3.33F-08
10	7	15	16	14938.22		5729.63	1.7453	0.0505	0.0	0.0	0.0	8.30F-10	2.24E-08	1.905-07
9	6	7	8	12323.08		5729.92	1.7452	0.0574	0.0	0.0	0.0	0.0	9.94F-10	5.535-09
á	5	22	23	11195.50		5730.00	1.7452	0.0423	0.0	0.0	0.0	4.29F-10	4.72F-09	2.19E-08
4	ĩ	61	62	9125.64		5730.48	1.7451	0.0400	0.0	0.0	0.0	5.99F-10	4.01E-09	1.34E-08
10	7	50	49	18331.96		5730.55	1.7450	0.0400	0.0	0.0	0.0	0.0	0.0	8.07E-10
9	6	28	29	14040.35		5730.55	1.7450	0.0400	0.0	0.0	0.0	2.515-09	5.46F-08	4.01E-07
10	7	81	80	25855.22		5730.62	1.7450	0.0400	0.0	0.0	0.0	0.0	0.0	4.42F-10
10	7	18	17	14669.81		5731.03	1.7449	0.0482	0.0	0.0	0.0	0.0	4.73F-10	3.83F-09
10	7	49	48	18165.70		5732.16	1.7445	0.0400	0.0	0.0	0.0	0.0	0.0	8.94F-10
11	8	3	2	16419.01	1	5732.16	1.7445	0.0707	0.0	0.0	0.0	0.0	1.638-09	1.75E-08
10	7	19	18	14731.73		5732.59	1.7444	0.0470	0.0	0.0	0.0	0.0	4.755-10	3.88F-09
7	4	48	49	12916.32		5732.61	1.7444	0.0400	0.0	0.0	0.0	5.40E-09	9.98E-08	5.50E-07
11	8	62	61	23062.32		5732.75	1.7444	0.0400	0.0	0.0	0.0	0.0	1.08F-10	3.34F-09
10	7	48	47	18002.73		5733.67	1.7441	0.0400	0.0	0.0	0.0	0.0	0.0	9.87E-10
10	7	20	19	14797.07		5734.05	1.7440	0.0458	0.0	0.0	0.0	0.0	4.74E-10	3.92E-09
9	6	6	7	12295.25		5734.08	1.7440	0.0597	0.0	0.0	0.0	0.0	9.01E-10	4.99E-09
10	7	14	15	14880.71	1	5734.99	1.7437	0.0517	0.0	0.0	0.0	8.425-10	2.24F-09	1.88E-07
	7	47	46	17843.04		5735.07	1.7437	0.0400	0.0	0.0	0.0	0.0	0.0	1.095-09
10		64	65	12244.32			1.7436	0.0400	0.0	0.0	0.0	3.705-09	5.24F-09	2.88F-07
. 5	2	4	3	16429.71		5735.23			0.0	0.0	0.0	0.0	2.18F-09	2.34F-08
11	8				1	5735.31	1.7436	0.0676			0.0	5.61F-10	7.32F-09	3.81F-08
3	0	78	79	11904.34	1	5735.37	1.7436	0.0400	0.0	0.0		0.0	4.71E-10	3.935-09
10	7	51	20	14865.84		5735.42	1.7436	0.0447	0.0	0.0	0.0	4.575-10	4.92E-09	2.26E-08
8	5	21	22	11114.98		5735.63	1.7435	0.0435	0.0	0.0	0.0			3.50E-08
7	4	33	34	10334.05		5735.67	1.7435	0.0400	0.0	0.0	0.0	9.68E-10	8.65E-09	
3	0	68	69	8746.33		5735.84	1.7434	0.0400	0.0	0.0	0.0	2.40F-10	1.47E-09	4.60F-09
11	8	61	60	22850.43		5735.96	1.7434	0.0400	0.0	0.0	0.0	0.0	1.285-10	3.84F-09
10	7	80	79	25579.82		5735.98	1.7434	0.0400	0.0	0.0	0.0	0.0	0.0	5.396-10
10	7	46	45	17686.66		5736.37	1.7433	0.0400	0.0	0.0	0.0	0.0	0.0	1.19F-09
10	7	22	21	14938.02		5736.68	1.7432	0.0435	0.0	0.0	0.0	0.0	4.65E-10	3.93E-09
8	5	38	39	13299.95		5736.79	1.7431	0.0400	0.0	0.0	0.0	4.88F-09	8.916-08	5.805-07
9	6	27	28	13935.53		5737.06	1.7431	0.0400	0.0	0.0	0.0	2.77F-09	5.90F-08	4.25F~07
9	6	74	73	21432.71		5737.11	1.7430	0.0400	0.0	0.0	0.0	0.0	0.0	8.725-11
6	3	56	57	12465.57		5737.19	1.7430	0.0400	0.•0	0.0	0.0	5.50F-09	8.22F-09	4.68F-07
6	3	43	44	9732.40	2	5737.25	1.7430	0.0400	0.0	0.0	0.0	1.315-09	1.01E-08	3.72E-08

vu	٧L	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	*****	*** INTEGRAT		RPTTON ** COI *ATM-1	FFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
10	7	45	44	17533.59	2	\$737 . 57	1.7429	0.0400	0.0	0.0	0.0	010		. 305 00
5	2	52	53	9287.54	2	5737.75	1.7428	0.0400	0.0	0.0	0.0	1.19F-09	1.02E-10 8.29E-09	1.30F-09
4	1	71	72	11986.02		5737.76	1.7428	0.0400	0.0	0.0	0.0	2.04E-09	2.71E-08	2:84E-08
10	7	23	22	15013.62		5737.84	1.7428	0.0423	0.0	0.0	0.0	0.0	4.56E-10	1.43E-07 3.90E-09
9	6	5	6	12270.90	2	5738.14	1.7427	0.0621	0.0	0.0	0.0	0.0	7.97E-10	4.40E-09
9	6	93	92	27563.95	1	5738.34	1.7427	0.0400	0.0	0.0	0.0	0.0	0.0	9.76E-11
1 1	8	5	4	16443.96	1	5738.35	1.7427	0.0645	0.0	0.0	0.0	0.0	2.71F-09	5:05E-08
10	7	44	43	17383.83	2	5738.66	1.7426	0.0400	0.0	0.0	0.0	0.0	1.14E-10	1.42E-09
10	7	24	23	15092.63		5738.90	1.7425	0.0412	0.0	0.0	0.0	0.0	4.45E-10	3:86E-09
1.1	8	60	59	22641.83		5739.05	1.7424	0.0400	0.0	0.0	0.0	0.0	1.52E-10	4.39F-09
10	7	43	42	17237.39	2	5739.65	1.7423	0.0400	0.0	0.0	0.0	0.0	1.26E-10	1.54E-09
10	7	25	24	15175.05		5739.85	1.7422	0.0400	0.0	0.0	0.0	0.0	4.32E-10	3.79E-09
4	1	60	61	8905.12	2	5739.85	1.7422	0.0400	0.0	0.0	0.0	7.71E-10	4.90E-09	1.58E-08
10	7	13	14	14826.79	1	5740.04	1.7421	0.0528	0.0	0.0	0.0	8.45E-10	2.22E-08	1.85E-07
10	7	42	41	17094.27	2	5740.54	1.7420	0.0400	0.0	0.0	0.0	0.0	1.40E-10	1.67E-09
10	7	26	25	15260.88	2	5740.71	1.7419	0.0400	0.0	0.0	0.0	0.0	4 • 1 8E-10	3.72E-09
7	4	47	48	12737.67	1	5741.17	1.7418	0.0400	0.0	0.0	0.0	6.60F-09	1.05F-07	6.26E-07
8	5	20	21	11037.95	2	5741.17	1.7418	0.0447	0.0	0.0	0.0	4.83E-10	5-11E-09	2.31E-08
10	7	79	78	25307.56	1	5741.22	1.7418	0.0400	0.0	0.0	0.0	0.0	0.0	
9	6	73	72	21187.44	2	5741.24	1.7418	0.0400	0.0	0.0	0.0	0.0	0.0	6.54E-10 1.03E-10
11	8	6	5	16461.79	1	5741.28	1.7418	0.0621	0.0	0.0	0.0	0.0	3.24E-09	3.50E-08
10	7	41	40	16954.49	2	5741.32	1.7418	0.0400	0.0	0.0	0.0	0.0	1.55F-10	1.80E-09
10	7	27	26	15350.11	2	5741.47	1.7417	0.0400	0.0	0.0	0.0	0.0	4.02F-10	3.635-09
10	7	40	39	16818.04	2	5742.00	1.7416	0.0400	0.0	0.0	0.0	0.0	1.70E-10	1.94E-09
11	8	59	58	22436.54	1	5742.02	1.7415	0.0400	0.0	0.0	0.0	0.0	1.80F-10	5.05E-09
9	6	4	5	12250.03	2	5742.11	1.7415	0.0645	0.0	0.0	0.0	0.0	5-93E-10	7.76F-09
10	7	28	27	15442.75	2	5742.12	1.7415	0.0400	0.0	0.0	0.0	0.0	3.85E-10	3.52E-09
7	4	32	33	10214.39	2	5742.37	1.7414	0.0400	0.0	0.0	0.0	1.09F-09	9.48E-09	3.77E-08
10	7	39	38	16684.94	2	5742.57	1.7414	0.0400	0.0	0.0	0.0	0.0	1.85E-10	2.08E-09
10	7	29	28	15538.77	2	5742.67	1.7414	0.0400	0.0	0.0	0.0	0.0	3.67E-10	3.41E-09
10	7	38	37	16555.18	2	5743.04	1.7412	0.0400	0.0	0.0	0.0	0.0	2.035-10	2.225-09
10	7	30	29	15638.19	2	5743.12	1.7412	0.0400	0.0	0.0	0.0	0.0	3.48E-10	3.29E-09
10	7	37	36	16428.77	2	5743.41	1.7411	0.0400	0.0	0.0	0.0	0.0	2.20E-10	2.36E-09
9	6	26	27	13834.28	1	5743.47	1.7411	0.0400	0.0	0.0	0.0	3.05=-09	6.33E-08	4.49E-07
10	7	31	30	15741.00	2	5743.47	i.7411	0.0400	0.0	0.0	0.0	0.0	3.305-10	3.17F-09
10	7	36	35	16305.72	2	5743.68	1.7410	0.0400	0.0	0.0	0.0	0.0	2.38F-10	2.50F-09
10	7	32	31	15847.20	2	5743.72	1.7410	0.0400	0.0	0.0	0.0	0.0	3.12F-10	3.05F-09
10	7	35	34	16186.04		5743.84	1.7410	0.0400	0.0	0.0	0.0	0.0	2.56E-10	2.64F-09
10	7	33	32	15956.77	2	5743.86	1.7410	0.0400	0.0	0.0	0.0	0.0	2.93F-10	2.92F-09
10	7	34	33	16069.71	2	5743.90	1.7410	0.0400	0.0	0.0	0.0	0.0	2.75F-10	2.78F-09
1 1	8	7	6	16483.18	1	5744.11	1.7409	0.0597	0.0	0.0	0.0	0.0	3.74F-09	4.056-08
8	5	37	38	13158.27	1	5744.33	1.7408	0.0400	0.0	0.0	0.0	5.685-09	1.005-07	6.38E-07
1 1	8	58	57	22234.55	1	5744.89	1.7407	0.0400	0.0	0.0	0.0	0.0	2.135-10	5.78E-09
6	3	42	43	9576.89	2	5744.92	1.7407	0.0400	0.0	0.0	0.0	1.55E-09	1.16E-08	4.15F-08
10	7	12	13	14776.45	1	5744.99	L.7406	0.0540	0.0	0.0	0.0	8.41F-10	2.195-08	1.80F-07
9	6	92	91	27248.71	1	5745.07	1.7406	0.0400	0.0	0.0	0.0	0.0	0.0	1.22E-10
9	۰6	72	71	20945.30	2	5745.26	1.7406	0.0400	0.0	0.0	0.0	0.0	0.0	1.22F-10
5	2	63	64	12005.71	1	5745.41	1.7405	0.0400	0.0	0.0	0.0	4.87F-09	5.51F-08	3.45F-07
3	0	67	68	8500.09	2	5745.87	1.7404	0.0400	0.0	0.0	0.0	3.19F-10	1.84F-09	5.55F-09
9	6	3	4	12232.63		5745.98	1.7403	0.0676	0.0	0.0	0.0	0.0	5.60F-10	3.07F-09
5	2	51	52	9099.53		5746.28	1.7403	0.0400	0.0	0.0	0.0	1 • 49F-09	9.83E-09	3.26E-08
10	7	78	77	25038.44	1	5746.35	1.7402	0.0400	0.0	0.0	0.0	0.0	0.0	7.92E-10
6	3	55	56	12256.95	1	5746.57	1.7402	0.0400	0.0	0.0	0.0	7.00E-09	9.95E-08	5.48E-07

٧٥	٧L	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE . LENGTH	HALF WIDTH	******	*** INTEGRATE	ED ** ABSOR CM-2*		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	NP	T = 300	T = 600	Υ = 900	T = 1200	T = 1500	T = 1800
8	5	19	20	10964.39	2	5746.62	1.7402	0.0458	0.0	0.0	0.0	5.075-10	5.27F-09	2.36E-08
11	8	8	7	16508.13	1	5746.84	1.7401	0.0574	0.0	0.0	0.0	1.075-10	4.225-09	4.59F-08
3	0	77	78	11612.75	1	5746.94	1.7401	0.0400	0.0	0.0	0.0	7.90F-10	9.625-09	4.78E-08
11	8	57	56	22035.89	i	5747.64	1.7398	0.0400	0.0	0.0	0.0	0.0	2.50F-10	6.59E-09
4	1	70	71	11720.90	1	5748.64	1.7395	0.0400	0.0	0.0	0.0	2.785-09	3.47E-08	1.765-07
7	4	31	32	10098.21	2	5748.99	1.7394	0.0400	0.0	0.0	0.0	1.23F-09	1.04E-08	4.03F-08
4	1	59	60	8687.99	2	5749.13	1.7394	0.0400	0.0	0.0	0.0	9.90F-10	5.96E-09	1.85F-08
9	6	71	70	20706.29	2	5749.17	1.7394	0.0400	0.0	0.0	0.0	0.0	0.0	1.44F-10
11	8	9	8	16536.64	ı	5749.45	1.7393	0.0550	0.0	0.0	0.0	1.18F-19	4.67E-09	5 • 1 0F-08
7	4	46	47	12562.54	1	5749.64	1.7392	0.0400	0.0	0.0	0.0	8.03E~09	1.235-07	7.115-07
9	6	2	3	12214.71	2	5749.75	1.7392	0.0707	0.0	0.0	0.0	0.0	4.29E-10	2.356-09
9	6	25	26	13736.61	i	5749.78	1.7392	0.0400	0.0	0.0	0 • 0	3.345-09	6.76F-08	4.72E-07
10	7	11	12	14729.70	1	5749.83	1.7392	0.0542	0.0	0.0	0.0	A.28F-10	2.13E-08	1.745-07
11	8	56	55	21840.56	1	5750.28	1.7390	0.0400	0.0	0.0	0.0	0.0	2.945-10	7.50E-09
10	7	77	76	24772.47	1	5751.35	1.7387	0.0400	0.0	0.0	0.0	0.0	0.0	9.56F-10
9	6	91	90	26936,49	1	5751.68	1.7386	0.0400	0.0	0.0	0.0	0.0	0.0	1.53F-10
8	5	36	37	13020.16	1	5751.78	1.7386	0.0400	0.0	0.0	0.0	6.57E-09	1.120-07	6.98F-07
8	5	18	19	10894.32	2	5751.96	1.7385	0.0470	0.0	0.0	0.0	5.29F-10	5.41E-09	2.39F-08
11	8	10	9	16568.71	1	5751.97	1.7385	0.0547	0.0	0.0	0.0	1.275-10	5.09E-09	5.596-08
6	3	41	42	9424.83	2	5752.49	1.7384	0.0400	0.0	0.0	0.0	1.93F-09	1.32F-0A	4.62E-08
11	8	55	54	21648.56	1	5752.80	1.7383	0.0400	0.0	0.0	0.0	0.0	3.44E-10	9.51E-09
9	6	70	69	20470.42	2	5752.98	1.7382	0.0400	0.0	0.0	0.0	0.0	0.0	1.698-10
9	6	1	2	12209.27	2	5753.43	1.7381	0.0738	0.0	0.0	0.0	0.0	2.915-10	1.59E-09
1 1	8	11	10	16604.34	1	5754.37	1.7378	0.0545	0.0	0+0	0.0	1.365-10	5.465-09	6.048-08
10	7	10	11	14686.54	1	5754.58	1.7377	0.0545	0.0	0.0	0.0	8.06F-10	2.05E-08	1.675-07
5	2	50	51	8914.94	2	5754.71	1.7377	0.0400	0.0	0.0	0.0	1.82F-09	1.165-09	3.74F-08
1 1	8	54	53	21459.91	1	5755.22	1.7376	0.0400	0.0	0.0	0.0	0.0	4.01F-10	9.62F-09
5	2	62	63	11770.57	ı	5755.49	1.7375	0.0400	0.0	0.0	0.0	6.39F-09	9.046-04	4.125-07
7	4	30	31	9985.50	5	5755.50	1.7375	0.0400	0.0	0.0	0.0	1.376-09	1.13E-08	4.31F-08
3	0	66	67	8257.20	2	5755.81	1.7374	0.0400	0.0	0.0	0.0	4.235-10	2.30F-09	5.68F-09
6	3	54	55	12051.84	1	5755.85	1.7374	0.0400	0.0	0.0	1.015-10	8.876-09	1.205-07	6.40E-07
9	6	24	25	13642.53	1	5755.99	1.7373	0.0400	0.0	0.0	0.0	3.63E-09	7.19E-08	4.94E-07
10	7	76	75	24509.67	ī	5756.25	1.7372	0.0400	0.0	0.0	0.0	0.0	0.0	1.15E-09
11	8	12	11	16643.52	1	5756.67	1.7371	0.0542	0.0	0.0	0.0	1.43E-10	5.80E-09	6.455-08
9	6	69	68	20237.70	2	5756.68	1.7371	0.0400	0.0	0.0	0.0	0.0	9.0	1.985-10
9	6	0	1	12201.31	2	5757.01	1.7370	0.0769	0.0	0.0	0.0	0+0 5-485-10	1.48F-10 5.52E-09	8.07E-10 2.42E-08
8	5	17	18	10827.74	2	5757.22	1.7369	0.0482	0.0	0.0	0.0	0.0	4.650-10	1.08F-08
11	8	53	52	21274.62	1	5757.52	1.7369	0.0400	0.0		0.0	9.74E-09	1.436-07	8.04F-07
7	4	45	46	12390.96	1	5758.01	1.7367	0.0400	0.0	0.0	0.0		0.0	1.90F-10
9	6	90	89	26627.30	1	5759.18	1.7357	0.0400 0.0400	0.0	0.0	0.0	0.0 1.27F-09	7.26E-09	2.18E-08
4 3	1 0	58 76	59 77	8474.25 11324.54	2	5758.32 5758.42	1.7366 1.7366	0.0400	0 • 0 0 • 0	0.0	0.0	1.115-09	1.265-08	5.98E-08
11	8	13	12	16686.27	ì	5758.86	1.7365	0.0540	0.0	0.0	0.0	1.485-10	6.098-09	6.82F-08
	5	35	36	12885.61	i	5759.13	1.7364	0.0400	0.0	0.0	0.0	7.575-09	1.255-07	7.62E-07
8 10	7	9	10	14646.97	i	5759.22	1.7363	0.0547	0.0	0.0	0.0	7.75F-10	1.955-08	1.58E-07
4	í	69	70	11459.21	i	5759.43	1.7363	0.0400	0.0	0.0	0.0	3.77F-09	4.42F-08	2.158-07
11	8	52	51	21092.69	i	5759.71	1.7362	0.0400	0.0	0.0	0.0	0.0	5.38E-10	1.22E-08
6	3	40	41	9276.23	2	5759.97	1.7361	0.0400	0.0	0.0	0.0	2.165-09	1.505-08	5.11E-08
9	6	68	67	20008.15	2	5760.27	1.7360	0.0400	0.0	0.0	0.0	0.0	0.0	2.32F-10
11	8	14	13	16732.56	i	5760.27	1.7358	0.0528	0.0	0.0	0.0	1.53F-10	5.34E-09	7.155-08
10	7	75	74	24250.05	ì	5761.02	1.7358	0.0400	0.0	0.0	0.0	0.0	9.0	1.38F-09
11	8	51	50	20914.12	ì	5761.78	1.7356	0.0400	0.0	9.0	0.0	0.0	6.20F-10	1.36F-08
7	4	29	30	9876.27	_	5761.93	1.7355	0.0400	0.6	0.0	0.0	1.525-09	1.225-09	4.58E-08
•	-			, _ , , , • _ ,	•	J. U. B.J.		4,5.100						

1	νυ	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATI	## ABSORP #*S-M-2*A		EFFICIENT **	*****
					ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800'
	9	6	23	24	13552.03	1	5762.10	1.7355	0.0412	0.0	0.0	0.0	3.92E-09	.7.60E-08	5.15E-07
	8	5	16	17	10764.64	2	5762.38	1.7354	0.0493	0.0	0.0	0.0	5.64E-10	5.59E-09	2.42E-08
	11	8	15	14	16782.41	1	5762.92	1.7352	0.0517	0.0	0.0	0.0	1.56E-10	6.54E-09	7.44E-08
	5	2	49	50	8733.79		5763.05	1.7352	0.0400	0.0	0.0	0.0	2.24F-09	1.36E-08	4.28F-08
	11	8	50	49	20798.93	ı	5763:74	1.7350	0:0400	0.0	0.0	0.0	0.0	7.12E-10	1.52E-08
	10	7	8	9	14610.99	1	5763.76	1.7350	0.0550	0.0	0.0	0.0	7.35E-10	1.84E-08	1.47E-07
	9	6	67	66	19781.77	2	5763.76	1.7350	0.0400	0.0	0.0	0.0	0.0	0.0	2.70E-10
	9	6	1	0	12197.83		5763.87	1.7349	0.0769	0.0	0.0	0.0	0.0	1.51F-10	8.25E-10
	9	б	89	88	26321.15	1	5764.55	1.7347	0.0400	0.0	0.0	0.0	0.0	0.0	2.38F-10
	11	8	16	15	16835.81	1	5764.80	1.7347	0.0505	0.0	0.0	0 • 0	1.57F-10	6.70E-09	7.68E-08
	6	3	53	54	11850.23		5765.03	1.7346	0.0400	0.0	0.0	1.37E-10	1.12E-08	1 • 4 4E-07	7.45E-07
	5	2	61	62	11538.91	1	5765.48	1.7345	0.0400	0.0	0.0	1.16E-10	8.34E-09	9.98E-08	4.90E-07
	11	8	49	48	20567.13	1	5765.60	1.7344	0.0400	0.0	0.0	0.0	0.0	8.14E-10	1.69E-08
	3	0	65	66	8017.69		5765.66	1.7344	0.0400	0.0	0.0	0.0	5.59F-10	2.87F-09	8.01E-09
	10	7	74	73	23993.62		5765.69	1.7344	0.0400	0.0	0.0	0.0	0.0	0.0	1.65E~09
	7	4	44	45	15555.95		5766.28	1.7342	0.0400	0.0	0.0	1.24E-10	1.17E-08	1.65E-07	9.07E-07
	8	5	34	35	12754.63		5766.37	1.7342	0.0400	0.0	0.0	0.0	8.67E-09	1.395-07	8.28E-07
	11	8	17	16	16892.75		5766.56	1.7341	0.0493	0.0	0.0	0.0	1.58E-10	6.80E-09	7.87E-08
	9	6	66	65	19558.57	2	5767.13	1.7340	0.0400	0.0	0.0	0.0	0.0	0.0	3.13E-10
	9	6	2	1	12201.31	2	5767.15	1.7340	0.0738	0.0	0.0	0.0	0.0	3.05E-10	1.67E-09
	11	8	46	47	20398.72		5767.34	1.7339	0.0400	0.0	0.0	0.0	0.0	9.285-10	1.88E-08
172	6	3	39	40	9131.08	2	5767.36	1.7339	0.0400	0.0	0.0	0.0	2.526-09	1.69E-08	5.65E-08
N	4	1	57	58	8263.93		5767.42	1.7339	0.0400	0.0	0.0	0.0	1.62E-09	8.82E-09	2.56E-08
	8	5	15	16	10705.04	2	5767.44	1.7339	0.0505	0.0	0.0	0.0	5.75E-10	5.626-09	2.41E-08
	9	6	22	23	13465.12	1	5768.10	1.7337	0.0423	0.0	0.0	0.0	4.21E-09	7.99E-08	5.35E-07
	10	7	7	8	14578.61	1	5768.19	1.7336	0.0574	0.0	0.0	0.0	6.85E-10	1.70E-08	1.36E-07
	11	8	18	17	16953.25		5768.22	1.7336	0.0482	0.0	0.0	0.0	1.57E-10	6.86E-09	8.02E-08
	7	4	28	29	9770.52	2	5768.25	1.7336	0.0400	0.0	0.0	0.0	1.69E-09	1.325-08	4.87E-08
	11	8	47	46	20233.70	1	5768.96	1.7334	0.0400	0.0	0.0	0.0	0.0	1.05E-09	2.08E-08
	1.1	8	19	18	17017.28		5769.77	1.7332	0.0470	0.0	0.0	0.0	1.55E-10	6.88E-09	B.12E-08
	3	0	75	76	11039.74	1	5769.81	1.7332	0.0400	0.0	0.0	0.0	1.556-09	1.64E-08	7.46F~08
	4	1	66	69	11200.97	1	5770.12	1.7331	0.0400	0.0	0.0	0.0	5.09E-09	5.62E-08	2.62E-07
	10	7	73	72	23740.39		5770.23	1.7330	0.0400	0.0	0.0	0.0	0.0	0.0	1.97E-09
	9	6	Э	2	12208.27	2	5770.34	1.7330	0.0707	0.0	0.0	0.0	0.0	4.61E-10	2.52E-09
	9	6	65	64	19338.57		5770.40	1.7330	0.0400	0.0	0.0	0.0	0.0	0.0	3.63F-10
	11	8	46	45	20072.09		5770.48	1.7330	0.0400	0.0	0.0	0.0	0.0	1 • 1 9E-09	2.29E-08
	9	6	88	87	26018.06		5770.81	1.7329	0.0400	0.0	0.0	0.0	0.0	0.0	2.97E-10
	11	8	20	19	17084.85	1	5771.21	1.7327	0.0458	0.0	0 • 0	0.0	1.52E-10	6.85E-09	8-17E-08
	5	2	48	49	8556.07		5771.30	1.7327	0.0400	0.0	0.0	1.26F-10	2.74E-09	1.60E-08	4.87E-08
	11	8	45	44	19913.90	1	5771.88	1.7325	0.0400	0.0	0.0	0.0	0.0	1.34E-09	2.51E-08
	8	5	14	15	10648.93		5772.40	1.7324	0.0517	0.0	0.0	0 • 0	5.926-10	5.61E-09	2.39E-08
	10	7	6	7	14549.82		5772.52	1.7323	0.0597	0.0	0.0	0.0	6.25E-10	1.54E-08	1.22E-07
	1 1	8	21	20	17155.96		5772.54	1.7323	0.0447	0.0	0.0	0.0	1.47F-10	6.78F-09	8.19F-08
	11	8	44	43	19759.12		5773.18	1.7321	0.0400	0.0	0.0	0.0	0.0	1.50E-09	2.75E-08
	9	6	4	3	12218.71	2	5773.43	1.7321	0.0676	0.0	0.0	0.0	0.0	6.15F-10	3.37E-09
	8	5	33	34	12627.23		5773.52	1.7320	0.0400	0.0	0.0	0.0	9.88E-09	1.53E-07	8,976-07
	9	6	64	63	19121.76		5773.57	1.7320	0.0400	0.0	0.0	0 • 0	0.0	0.0	4.19E-10
	11	8	22	21	17230.61	1	5773.77	1.7320	0.0435	0.0	0.0	0.0	1.43E-10	6.68E-09	8.15E-08
	9	6	21	22	13381.82		5774.01	1.7319	0.0435	0.0	0 + 0	0.0	4.49F-09	9.366-08	5.52E-07
	6	3	52	53	11652.14		5774.12	1.7319	0.0400	0.0	0.0	1.87E-10	1.40E-08	1.72E-07	8.63E-07
	11	8	43	42	19607.77		5774.36	1.7318	0.0400	0.0	0.0	0.0	0.0	1.58E-09	3.006-08
	7	4	43	44	12058.43		5774.45	1.7318	0.0400	0.0	0.0	1.596-10 '	1.41E-08	1.91E-07	1.02F-06
	7	4	27	28	9668.25	2	5774.49	1.7318	0.0400	0.0	0.0	0.0	1.965-09	1.42E-08	5.16E-08

VU	VL.	30	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		FFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
10	7	72	71	23490.38	1	5774.66	1.7317	0.0400	0.0	0.0	0.0	0.0	0.0	2.35E-09
6	3	38	39	8989.41	2	5774.66	1.7317	0.0400	0.0	0.0	1.14E-10	2.94E-09	1.90E-08	6.21E-08
1 1	8	23	22	17308.79	1	5774.89	1.7316	0.0423	0.0	0.0	0.0	1.37E-10	6.54E-09	8.08E-08
5	2	60	61	11310.73		5775.37	1.7315	0.0400	0.0	0.0	1.65E-10	1.08E-08	1.23E-07	5.82E-07
3	0	64	65	7781.55		5775.42	1.7315	0.0400	0.0	0.0	0.0	7.35E-10	3.566-09	9.59E-09
1 1	8	42	41	19459.85		5775.43	1.7315	0.0400	0.0	0.0	0.0	0.0	1 • 87E- 09	3.266-08
11	8	24	23	17390.49	1	5775.90	1.7313	0.0412	0.0	0.0	0.0	1.31E-10	6.36E-09	7.97E-08
11	8	41	40	19315.37	1	5776.39	1.7312	0.0400	0.0	0.0	0.0	0.0	2.07E-09	3.53F-08
9	6	5	4	12232.63	2	5776.41	1.7312	0.0645	0.0	0.0	0.0	0.0	7.68E-10	4.21E-09
4	1	56	57	8057.01	2	5776.43	1.7312	0.0400	0.0	0.0	1.16E-10	2.06E-09	1.07E-08	3.00E-08
9	6	63	62	18908.16	2	5776.63	1.7311	0.0400	0.0	0.0	0.0	0.0 5.57F-10	0+0 1+36E-08	4.82E-10
10	7	5 25	6	14524.62	1	5776.74	1.7311	0.0621	0.0	0.0	0.0	1.245-10	6.16E-09	1.08E-07 7.83E-08
11	8 6	25 87	24 86	17475.72		5776.80	1.7311 1.7310	0.0400 0.0400	0.0	0.0	0.0	0.0	0.105-03	3.69E-10
9	8	40	39	25718.04	1	5776.96	1.7309		0.0	0.0	0.0	0.0	. 5.55E-05	3.81E-08
11 8	5	13	14	19174.33		5777.24 5777.28	1.7309	0.0400 0.0528	0.0	0.0	0.0	5.84E~10	5.56E-09	2.35E-08
11	8	26	25	17564.47	1	5777.59	1.7309	0.0400	0.0	0.0	0.0	1.17F-10	5.94E-09	7.65E-0B
11	8	39	38	19036.74	i	5777.98	1.7307	0.0400	0.0	0.0	0.0	0.0	2 52E-09	4.10E-08
ii	8	27	26	17656.73	i	5778.28	1.7306	0.0400	0.0	0.0	0.0	1.10E-10	5.70E-09	7.45E-08
11	8	38	37	18902.61	1	5778.61	1.7305	0.0400	0.0	0.0	0.0	0.0	2.76E-09	4.40F-08
îi	8	28	27	17752.52	î	5778.86	1.7304	0.0400	0.0	0.0	0.0	1.02E-10	5.44E-09	7.21E-08
10	7	71	70	23243.58	1	5778.98	1.7304	0.0400	0.0	0.0	0.0	0.0	0.0	2.78E-09
11	8	37	36	18771.94	1	5779.13	1.7304	0.0400	0.0	0.0	0.0	0.0	3.01E-09	4.70E-08
9	6	6	5	12250.03	2	5779.30	1.7303	0.0621	0.0	0.0	0.0	0.0	9.16E-10	5.04E-09
11	8	29	28	17851.80	1	5779.32	1.7303	0.0400	0.0	0.0	0.0	0.0	5.16E-09	6.96F-08
5	2	47	48	8381.80	2	5779.46	1.7303	0.0400	0.0	0.0	1.64E-10	3.33E-09	1.87E-08	5.53E-08
11	8	36	35	18644.73	1	5779.54	1.7302	0.0400	0.0	0.0	0.0	0.0	3.26E-09	5.00E-08
9	6	62	61	18697.77	2	5779.58	1.7302	0.0400	0.0	0.0	0.0	0.0	0.0	5.53E-10
11	8	30	29	17954.60	1	5779.68	1.7302	0.0400	0.0	0.0	0.0	0.0	4.88E-09	6.69E-08
9	6	20	21	13302.10	1	5779.81	1.7302	0.0447	0.0	0.0	0.0	4.77E-09	8.70E-08	5.67E-07
1.1	8	35	34	18521.00	1	5779.84	1.7302	0.0400	0+0	0.0	0.0	0.0	3.53E-09	5.30E-08
11	8	31	30	18060.90	1	5779.93	1.7301	0.0400	0.0	0.0	0.0	0.0	4.62E-09	6.44E-08
11	8	34	33	18400.75	1	5780.02	1.7301	0.0400	0.0	0.0	0.0	0.0	3.80E-09	5.596-08
11	8	32	31	18170.69	1	5780.07	1.7301	0.0400	0.0	0.0	0.0	0.0	4.35E-09	6.17F-08
11	8	33 32	32 33	18283.98	1	5780.10	1.7301	0.0400	0.0	0.0	0.0 1.06E-10	0.0 1.12E-08	4.07E-09 1.69E-07	5.88E-08 9.68E-07
8 7	5 4	26	27	12503.41 9569.48	1 2	5780.57 5780.63	1.7299 1.7299	0.0400 0.0400	0+0 0+0	0.0	0.0	2.04E-09	1.52E-08	5.446-08
4	1	67	68	10946 18	ı	5780.71	1.7299	0.0400	0.0	0.0	1.21E-10	6.85E-09	7.11F-08	3.18E-07
10	7	4	5	14503.03	1	5780.87	1.7298	0.0645	0.0	0.0	0.0	4.80E-10	1.17F-08	9.23E-08
3	ò	74	75	10758.35	î	5781.10	1.7298	0.0400	0.0	0.0	0.0	2.15E-09	2.14E-08	9.27E-08
6	3	37	38	8851.20	2	5781.86	1.7295	0.0400	0.0	0.0	1.39F-10	3.40E-09	2.13E-08	6.81E-08
8	5	12	13	10547.20	2	5782.05	1.7295	0.0540	0.0	0.0	0.0	5.80F-10	5.46E-09	2.29E-08
9	6	7	6	12270.90	2	5782.10	1.7295	0.0597	0.0	0.0	0.0	0.0	1.06E-09	5.85E-09
, 9	6	61	60	18490.61	2	5782.43	1.7294	0.0400	0.0	0.0	0.0	0.0	0.0	6.33E-10
7	4	42	43	11897.51	1	5782.52	1.7293	0.0400	0.0	0.0	2.03E-10	1.68E-08	2.19E-07	1.14E-06
9	6	86	85	25421.09	1	5782.98	1.7292	0.0400	0.0	0.0	0.0	0.0	0.0	4.58E-10
6	3	51	52	11457.59	1	5783.11	1.7292	0.0400	0.0	0.0	2.52E-10	1.75E-08	2.06E-07	9.98E-07
10	7	70	69	10.00052	1	5783.18	1.7292	0.0400	0.0	0.0	0.0	0.0	1.07E-10	3.29E-09
8	5	98	97	27339,41	1	5784.39	1.7288	0.0400	0.0	0.0	0.0	0.0	0.0	8.67E-11
9	6	8	7	12295.25	2	5784.79	1.7287	0.0574	0.0	0.0	0.0	0.0	1.20F-09	6.63E-09
10	7	3	4	14485.03	1	5784.88	1.7286	0.0676	0.0	0.0	0.0	3.96E-10	9.59E-09	7.55E-08
3	0	63	64	7548.79	2	5785.09	1.7286	0.0400	0.0	0.0	0.0	9.62E-10	4.41E-09	1.14E-08
5	2	59	60	11086.05	1	5785.17	1.7286	0.0400	0.0	0.0	2.34E-10	1.40F-08	1.516-07	6.89E-07

VU	٧Ł	ĴÛ	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRAT	ED ** ABSOR		FFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
9	6	60	59	18286.68	2	5785.17	1.7286	0.0400	0.0	0.0	0.0	0.0	0.0	7.22E-10
4	1	55	56	7853.51	2	5785.35	1.7285	0.0400	0.0	0.0	t.59E-10	2.61E-09	1.29E-08	3.505-08
9	6	19	20	13225.99	1	5785.51	1.7285	0.0458	0.0	0.0	0.0	5.02F-09	9.00E-08	5.79E-07
7	4	25	26	9474.20	2	5786.68	1.7281	0.0400	0.0	0.0	0.0	2.23E-09	1.62E-08	5.71E-08
8	5	11	12	10501.59	2	5786.73	1.7281	0.0542	0.0	0.0	0.ò	5.71E-10	5.31E-09	2.21E-08
10	7	69	68	22759.69	1	5787.26	1.7279	0.0400	0.0	0.0	0.0	0.0	1.31E-10	3.88E-09
9	6	9	8	12323.08	2	5787.38	1.7279	0.0550	0.0	0.0	0.0	0.0	1.33F-09	7.375-09
8	5	80	79	21102.53		5787.40	1.7279	0.0400	0.0	0.0	0.0	0.0	0.0	8.58E-11
8	5	31	32	12383.18	1	5787.51	1.7279	0.0400	0.0	o.ó	1.25E-10	1.26E-08	1.85E-07	1.04E-06
5	2	46	47	8210.98	2	5787.53	1.7279	0.0400	0.0	0.0	2.13E-10	4.04F-09	2.17E-08	6.26E-08
9	6	59	58	18085.99		5787.80	1.7278	0.0400	0.0	0.0	0.0	0.0	0 - 0	8.26E-10
10	7	2	3	14470.63	1	5788.80	1.7275	0.0707	0.0	0.0	0.0	3.04E-10	7.35E-09	5.77E-08
9	6	85	84	25127.25	1	5788.89	1.7274	0.0400	' 0.0	0.0	0.0	0.0	0.0	5.67E-10
6	3	36	37	8716.48		5788.97	1.7274	0.0400	0.0	0.0	1.69E-10	3.92E-09	2.385-08	7.44E-08
9	6	10	9	12354.38		5789.87	1.7272	0.0547	0.0	0.0	0.0	0.0	1.44E-09	8.08E-09
9	6	58	57	17888.55	2	5790.33	1.7270	0.0400	0.0	0.0	0.0	0.0	0.0	9.42E-10
7	4	41	42	11740.14		5790.50	1.7270	0.0400	. 0.0	0.0	2.57E-10	2.00E-08	2.51E-07	1.27E-06
9	6	18	19	13153.48		5791.11	1.7268	0.0470	0.0	0.0	0.0	5.25E-09	9.25E-08	5.89E-07
4	1	66	67	10694.85		5791.22	1.7268	0.0400	0.0	0.0	1.79E-10	9.18E-09	8.96E-08	3.85E-07
10	7	68	67	22522.63		5791.24	1.7267	0.0400	0.0	0.0	0.0	0.0	1.60E-10	4.566-09
8	5	10	11	10459.48		5791.31	1.7267	0.0545	0.0	0.0	0.0	5.55E-10	5.12F-09	2.11E-08
8	5	97	96	27005.92		5791.68	1.7266	0.0400	0.0	D • O	0.0	0.0	0.0	1.10E-10
6	3	50	51	11266.57		5792.00	1.7265	0.0400	0.0	0.0	3.38F-10	2.18E-08	2.44E-07	1.15E-06
8	5	79	78	20836.14		5792.15	1.7265	0.0400	0.0	0.0	0.0	0.0	0.0	1.04E-10
9	6	11	10	12389.16	2	5792.27	1.7264	0.0545	0.0	0.0	0.0	1.06F-10	1.55F-09	8.746-09
3	0	73	74	10480.37		5792.30	1.7264	0.0400	0.0	0.0	0.0	2.98E-09	2.77E-08	1.156-07
10	7	1	2	14459.83		5792.61	1.7263	0.0738	0.0	0.0	0.0	2.07E-10	4.99E-09	3.91E-08
7	4	24	25	9382.42		5792.63	1.7263	0.0400	0.0	0.0	0.0	2.41E-09	1.72E-08	5.97E-08
9	6	57	56	17694.37		5792.75	1.7263	0.0400	0.0	0.0	0.0	0.0	0.0	1.07E-09
4	1	54	55	7653.44		5794.18	1.7259	0.0400	0.0	0.0	2.16E-10	3.28E-09	1.54E-08	4.07E-08
8	5	30	31	12266.54	1	5794.36	1.7258	0.0400	0.0	0.0	1.47E-10	1-42E-08	2.02E-07	1.11E-06
9	6	12	11	12427.41	2	5794.56	1.7258	0.0542	0.0	0.0	0.0	1.12F-10	1.65F-09	9.34E-09
9	6	84	83	24836.50		5794.68	1.7257	0.0400	0.0	0.0	0.0	0.0	0.0	6.99E-10
3	0	62	63	7319.43		5794.68	1.7257	0.0400	0.0	0.0	0.0	1.25F-09	5.44F-09	1.36E-08
5 9	2 6	58	59	10864.87		5794.87	1.7257	0.0400	0.0	0.0	3.31E-10	1.82F-08	1.85E-07	8.15E-07
10	7	56 67	55 66	17503.45		5795.07	1.7256	0.0400	0.0	0.0	0.0	0.0	0.0	1.215-09
5	2	45	46	28.88222		5795.09	1.7256	0.0400	0.0	0.0	0.0	0.0	1.95E-10	5.35E-09
8	5	9	10	8043.62 10420.87		5795.50	1.7255	0.0400	0.0	0.0	2.75E-10	4.875-09	2.526-08	7.06E-08
6	3	35	36			5795.80	1.7254	0.0547	0.0	0.0	0.0	5.33F-10	4.87F-09	2.00E~08
10	7	0	1	8585.23		5795.99	1.7253	0.0400	0.0	0.0	2.04F-10	4.50E-09	2.65E-08	8.10E-08
9	6	17	18	14452.63		5796.31	1.7252	0.0769	0.0	0.0	0.0	1.055-10	2.53E-09	1.985-08
9	6	13	12	12469.13		5796.60	1.7251	0.0482	0.0	0.0	0.0	5.45E-09	9.456-08	5.95E-07
8	5	78	77			5796.76	1.7251	0.0540	0.0	0.0	0.0	1.16F-10	1.74E-09	9.89F-09
9	6	55	54	20572.85		5796.79	1.7251	0.0400	0.0	0.0	0.0	0.0	0.0	1.25F-10
7	4	40	41	17315.80 11586.35		5797.28	1.7249	0.0400	0.0	0.0	0.0	0.0	1.11E-10	1.37E-09
7	4	23	24	9294.14		5798.38	1.7246	0.0400	0.0	0.0	3.23E-10	2.36E-08	2.86E-07	1.42E-06
10	7	66	65	22058.29		5798.49	1.7246	0.0412	0.0	0.0	0.0	2.60E-09	1.815-08	6.22E-08
8	5	96	95	26675.41	1	5798.83	1.7245	0.0400	0.0	0.0	0.0	0.0	2.37E-10	6.25E-09
9	6	14	13	12514.32	_	5798.85 5798.86	1.7245	0.0400	0.0	0.0	0.0	0.0	0.0	1 +4 0E-10
9	6	54	53	17131.43		5799.39	1.7245 1.7243	0.0528	0.0	0.0	0.0	1.20F-10	1.81E-09	1.04E-08
В	5	8	9	10385.77		5800.18	1.7243	0.0400	0.0	0.0	0.0	0.0	1.29E-10	1.545-09
9	6	83	82	24548.88		5800.36	1.7240	0.0550 0.0400	0.0	0.0	0.0	5.05E-10 0.0	4.57E-09 0.0	1.87F-08 8.61E-10
-	-				-	2017100		0.0400	0.0	0.0	0.0	0.0	0.0	0.016-10

Vυ	VL	JU	JL,	LOWER STATE	CODE	WAVE NUMBER	WA VE LENGTH	HALF WIDTH	******	*** INTEGRAT	ED ** ABSORI CH-2*		EFFICIENT *	*****
				ENERGY		CH-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	Y = 1800
6	3	49	50	11079.09	1	5800.80	1.7239	0.0400	0.0	0.0	4.516-10	2.70E-08	2.89E-07	1.32E-06
9	6	15	14	12562.97		5800.85	1.7239	0.0517	0.0	0.0	0.0	1.23E-10	1.87E-09	1.08E-08
8	5	29	30	12153.49	1	5801.11	1.7238	0.0400	0.0	0.0	1.72E-10	1.58E-08	2.19E-07	1.19E-06
8	5	77	76	20312.67		5801.32	1.7237	0.0400	0.0	0.0	0.0	0.0	0.0	1.50E-10
9	6	53	52	16950.35	2	5801.39	1.7237	0.0400	0.0	0.0	0.0	0.0	1.49E-10	1.73E-09
4	ì	65	66	10446.99		5801.62	1.7237	0.0400	0.0	0.0	2-636-10	1.22E-08	1.13E-07	4.655-07
9	6	16	17	13019.29	ī	5802.00	1.7235	0.0493	0.0	0.0	0.0	5.62E-09	9.59E-08	5.97E-07
10	7	65	64	21831.04	ĩ	5802.46	1.7234	0.0400	0.0	0.0	0.0	0.0	2.86E-10	7.28E-09
9	6	16	15	12615.09	2	5802.75	1.7233	0.0505	0.0	0.0	0.0	1.24E-10	1.92E-09	1.12E-08
6	3	34	35	8457.48		5802.92	1.7233	0.0400	0.0	0.0	2.46E-10	5-14E-09	2.93E-08	8.78E-08
4	1	53	54	7456.80		5802.92	1.7233	0.0400	0.0	0.0	2.94F-10	4 . 1 2E-09	1.85E-08	4.72E-08
9	6	52	51	16772.57		5803.29	1.7232	0.0400	0.0	0.0	0.0	0.0	1.71E-10	1.94E-09
5	2	44	45	7879.72		5803.39	1.7231	0.0400	0.0	0.0	3.52E-10	5.85E-09	2.90E-08	7:94E-08
3	ō	72	73	10205.84	ī	5803.40	1.7231	0.0400	0.0	0.0	0.0	4.12E-09	3.58E-08	1.425-07
10	7	1	ő	14449.03	i	5803.41	1.7231	0.0769	0.0	0.0	0.0	1.08E-10	'2.59E-09	2.03E-08
3	ò	61	62	7093.47		5804.17	1.7229	0.0400	0.0	0.0	1.34E~10	1.63E-09	6.69E-09	1.61E-08
7	4	22	23	9209.37		5804.25	1.7229	0.0423	0.0	0.0	0.0	2.79E-09	1.91E-08	6.44E-08
8	5	7	8	10354.17		5804.48	1.7228	0.0574	0.0	0.0	0.0	4.70E-10	4.23E-09	1.72E-08
5	2	57	58	10647.20	1	5804.48	1.7228	0.0400	0.0	0.0	4.65E-10	2.34E-08	2.26E-07	9.63E-07
9	6	17	16	12670.68		5804.54	1.7228	0.0493	0.0	0.0	0.0	1.25E-10	1.95E-09	1.15E-08
9	6	51	50	16598.08	2	5805.08	1.7226	0.0400	0.0	0.0	0.0	0.0	1.975-10	2.17E-09
8	5	76	75	20055.60		5805.74	1.7224	0.0400	0.0	0.0	0.0	0.0	0.0	1.80E-10
8	5	95	94	26347.89		5805.91	1.7224	0.0400	0.0	0.0	0.0	0.0	0.0	1.78E-10
9	6	82	81	24264.39	î	5805.91	1.7224	0.0400	0.0	0.0	0.0	0.0	0.0	1.06E-09
10	7	64	63	21607.08		5805.98	1.7224	0.0400	0.0	0.0	0.0	0.0	3.44E-10	8.46E-09
7	4	39	40	11436.14		5806.16	1.7223	0.0400	0.0	0.0	4.03E-10	2.78E-08	3.25E-07	1.57E-06
9	6	18	17	12729.73		5806 • 24	1.7223	0.0482	0.0	0.0	0.0	1.24F-10	1.97E-09	1.17E-08
9	6	50	49	16426.90		5806.77	1.7221	0.0400	0.0	0.0	0.0	0.0	2.25E-10	2.41E-09
10	7	2	1	14452.63	1	5806.80	1.7221	0.0738	0.0	0.0	0.0	2.17E-10	5.23E-09	4 . 1 OE-08
9	6	15	16	12957.61	i	5807.29	1.7220	0.0505	0.0	0.0	0.0	5.75E-09	9.67F-08	5.96E-07
8	5	28	29	12044.05	î	5807.75	1.7218	0.0400	0.0	0.0	2.00E-10	1.76E-08	2.385-07	1.27E-06
9	6	19	18	12792.23		5807.83	1.7218	0.0470	0.0	0.0	0.0	1.23E-10	1.98E-09	1.19E-08
9	6	49	48	16259.04	2	5808.35	1.7217	0.0400	0.0	0.0	0.0	0.0	2.56E-10	2.67E-09
8	5	6	7	10326.08		5808.67	1.7216	0.0597	0.0	0.0	0.0	4.29E-10	3.83E-09	1.55E-08
9		20	19	12858.20	2	5809.33	1.7214	0.0458	0.0	0.0	0.0	1.21E-10	1.98E-09	1.20E-08
10	6 7	63	62	21386.43	1	5809.38	1.7214	0.0400	0.0	0.0	0.0	0.0	4.13E-10	9.79E-09
6	3	48	49	10895.17	1	5809.50	1.7213	0.0400			5.98E-10	3.326-08	3.41E-07	1.51F-06
6	3	33	34	8333.21	ż	5809.75	1.7212	0.0400	0.0	0.0	2.93E-10	5.83E-09	3.42E-08	9.49E-08
9	6	48	47	16094.49	2	5809.75	1.7212	0.0400	0.0	0.0	0.0	0.0	2.91E-10	2.95E-09
7	4	21	22	9128-10				0.0435		0.0	1.09E-10	2.976-09	1.99E-08	6.64E-08
é	5	75	74	19801.66		5809.92	1.7212	0.0400	0.0	0.0	0.0	0.0	0.0	2.15E-10
10	7	3	2	14459.83	1	5810.05	1.7212 1.7211	0.0707	0.0	0.0	0.0	3.27F~10	7.88F-09	6.18E-08
9		21				5810.08			0.0			1.18F-10	1.96E-09	1.205-08
	6		20	12927.62		5810.72	1.7210	0.0447	0.0	0.0	0.0	6.99E-09	3.34E-08	8.90F-08
5 9	2 6	43 47	44 46	7719.30 15933.27		5811.18	1.7208	0.0400 0.0400	0.0	0.0	4.49E-10 0.0	0.0	3.29F-10	3.26E-09
9		81	80			5811.20	1.7208		0.0	0.0		0.0	0.0	1.29E-09
	6			23983.04	1	5811.36	1.7208	0.0400	0.0	0.0	0.0			
4	1	52	53 65	7263-61	2	5811.57	1.7207	0.0400	0.0	0.0	3.96E-10 3.85F-10	5.14E-09	2.20E-08	5.45E-08 5.60E-07
		64		10202.62		5811.93	1.7206	0.0400	0.0	0.0		1.625-08	1.41E-07	
9	6	22	21	13000.48	2	5812.02	1.7206	0.0435	0.0	0.0	0.0	1.14E-10	1.93E-09	1.20E-08
9	6	46	45	15775.39		5812.47	1.7204	0.0400	0.0	0.0	0.0	0.0	3.70E-10	3.58E-09
9	6	14	15	12899.54		5812.48	1.7204	0.0517	0.0	0.0	0.0	5.83E-09	9.67E-08	5.91E-07
10	7	62	61	21169.09	1	5812.66	1.7204	0.0400	0.0	0.0	0.0	0.0	4.93E-10	1.13E-08
8	5	5	6	10301.50	2	5812.77	1.7204	0.0621	0.0	0.0	0.0	3.82E-10	3.39E-09	1.37E-08

VÜ	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR! CM-2*		EFFICIENT *:	******
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
8	5	94	93	26023.39	1	5812.84	1.7203	0.0400	0.0	0.0	0.0	0.0	0.0	2.24E-10
9	6	23	22	13076.80	2	5813.21	1.7202	0.0423	0.0	0.0	0.0	1.105-10	1.90E-09	1.19E-08
10	7	4	3	14470.63	1	5813.26	1.7202	0.0676	0.0	0.0	0.0	4.35E-10	1.05E-08	8.26E-08
3	0	60	61	6870.93	2	5813.58	1.7201	0.0400	0.0	0.0	1.89E-10	2.10F-09	8.19E-09	1.91E-08
9	6	45	44	15620.85	2	5813.64	1.7201	0.0400	0.0	0.0	0.0	0.0	4.15E-10	3.91E-09
7	4	38	39	11289.51	1	5813.84	1.7200	0.0400	0.0	0.0	5.01E-10	3.26F-08	3.67E-07	1.73E-06
5	2	56	57	10433.05		5813.99	1.7200	0.0400	0.0	0.0	6.49E-10	3.00E-08	2.75E-07	1.13F-06
8	5	74	73	19550.86	2	5814.26	1.7199	0.0400	0.0	0.0	0.0	0.0	0.0	2.56E-10
9	6	24	23	13156.57		5814.30	1.7199	0.0412	0.0	0.0	0.0	1.056-10	1.858-09	1.18E-08
8	5	27	28	11938.21	Ţ	5814.30	1.7199	0.0400	0.0	0.0	2.31E-10	1.95F-08	2.57E-07	1.345-06
3	0	71	72	9934.75	1	5814.41	1.7199	0.0400	0.0	0.0	1.49F-10	5.65E-09	4.60E-08	1.75E-07
9	6	44	43	15469.65		5814.70	1.7198	0.0400	0.0	0.0	0.0	0.0	4.64E-10	4.27F-09
9	6	25	24	13239.77		5815.29	1.7196	0.0400	0.0	0.0	0.0	1.00E-10	1.80E-09	1.16E-08
7	4	50	21	9050.34		5815.49	1.7195	0.0447	0.0	0.0	1.19F-10	3.15F-09	2.076-08	6.825-08
9	6	43	42	15321.80		5815.66	1.7195	0.0400	0.0	0.0	0.0	0.0	5-17F-10	4.64F-09
10	7	61	60	20955.06		5815.83	1.7194	0.0400	0.0	0.0	0.0	0.0	5.87E-10	1.30F-08
9	6	26	25	13326.42		5816.18	1.7193	0.0400	0.0	0.0	0.0	0.0	1.73E-09	1.13E-08
10	7	5	4	14485.03		5816.34	1.7193	0.0645	0.0	0.0	0.0	5.41E-10	1.315-08	1.03E-07
6 9	3	32 42	33	8212.45	2	5816.48	1.7193	0.0400	040	0.0	3.47E-10	6.59E-09	3.54F-08	1.02E-07
9	6		41	15177.32	2	5816.51	1.7192	0.0400	0.0	0.0	0.0	0.0	5.73F-10	5.03E-09
8	5	80	79 5	23704.85	1	5816.68	1.7192	0.0400	0.0	0.0	0.0	0.0	0.0	1.58E-09
9	5 6	4 27	26	10280.43		5816.77	1.7192	0.0645	0.0	0.0	0.0	3.296-10	2.91E-09	1.17E-08
9	6	41	40	13416.50 15036.20	2	5816.97	1.7191	0.0400	0.0	0.0	0.0	0.0	1.67F-09	1.10E-08
9	6	13	14	12845.10	ī	5817.26	1.7190	0.0400	0.0	0.0	0.0	0.0	6+33E-10	5.43E-09
ģ	6	28	27	13510.01	2	5817.57 5817.65	1.7189 1.7189	0.0528	0.0	0.0	0.0	5.86E-09	9.59E-08	5.812-07
á	6	40	39	14898.44	2	5817.05	1.7188	0.0400 0.0400	0.0	0.0	0.0	0.0	1.595-09	1.07E-08
6	3	47	48	10714.80	1	5818.10	1.7188	0.0400	0.0	0.0	0.0	0.0	6.96E-10	5.85E-09
9	6	29	28	13606.95	2	5818.24	1.7187	0.0400	0 • 0 0 • 0	0.0	7.88E-10	4.07E-08	4.00E-07	1.72E-06
8	5	73	72	19303.21	2	5818.36	1.7187	0.0400	0.0	0.0	0.0	0.0	1.52E-09	1.04E-08
9	6	39	38	14764.06	2	5818.45	1.7187	0.0400	0.0	0.0	0.0	0.0	0.0	3.04F-10
9	6	30	29	13707.32	~	5818.72	1.7186	0.0400	0.0	0.0	0.0	0.0	7.63F-10	6.275-09
5	2	42	43	7562.35	2	5818.88	1.7185	0.0400	0.0	0.0	5.68E-10	8.31E-09	1.44E-09 3.82E-08	9.99F09 9.94E-08
9	6	38	37	14633.06		5818.89	1.7185	0.0400	0.0	0.0	0.0	0.0	8.37E-10	6.70E-09
10	7	60	59	20744.37	1	5818.89	1.7185	0.0400	0.0	0.0	0.0	0.0	6.96E-10	1.495-08
9	6	31	30	13811.11	2	5819.10	1.7185	0.0400	0.0	0.0	0.0	0.0	1.37E-09	9.63E-09
9	6	37	36	14505.45	2	5819.23	1.7184	0.0400	0.0	0.0	0.0	0.0	9.05E-10	7.14E-09
10	7	6	5	14503.03	1	5819.31	1.7184	0.0621	0.0	0.0	0.0	6.43F-10	1.56E-08	1.24E-07
9	6	32	31	13918.32	2	5819.38	1.7184	0.0400	0.0	0.0	0.0	0.0	1.29E-09	9.25F-09
9	6	36	35	14381.22	2	5819.46	1.7184	0.0400	0.0	0.0	0.0	0.0	9.80E-10	7.58E-09
9	6	33	32	14028.93	2	5819.55	1.7183	0.0400	0.0	0.0	0.0	0.0	1.21E-09	8.85E-09
9	6	35	34	14260.39	2	5819.59	1.7183	0.0400	0.0	0.0	0.0	0.0	1.06E-09	8.01F-09
9	6	34	33	14142.96	2	5819.62	1.7183	0.0400	0.0	0.0	0.0	0.0	1.13E-09	8.44E-09
8	5	93	92	25701.90	1	5819.66	1.7183	0.0400	0.0	0.0	0.0	0.0	0.0	2.82E-10
4	t	51	52	7073.87	2	5820.12	1.7182	0.0400	0.0	0.0	5.31E-10	6.39E-09	2.61E-08	6.28E-08
8	5	3	4	10262.87		5820.67	1.7180	0.0676	0.0	0.0	0.0	2.71E-10	2.39E-09	9.55E-09
8	5	26	27	11835.99	1	5820.75	1.7160	0.0400	0.0	0.0	2.65F-10	2.15F-08	2.76F-07	1.42E-06
7	4	19	20	8976.10	2	5820.97	1.7179	0.0458	0.0	0.0	1.28E-10	3.31F-09	2.14E-08	6.96E-08
7	4	37	38	11146.46	1.	5821.42	1.7178	0.0400	0.0	0.0	6.1BE-10	3.80E-08	4.13E-07	1.91E-06
10	7	59	58	20537.02	Į	5821.84	1.7177	0.0400	0.0	0.0	0.0	0.0	8.27F-10	1.71E-08
9	6	79	78	23429.83	1	5821.89	1.7177	0.0400	0.0	0.0	0.0	0.0	0.0	1.92E-09
4	1	63	64	9961.74	1	5822.15	1.7176	0.0400	0.0	0.0	5.61E-10	2.15F-0B	1.76E-07	6.72E-07
10	7	7	6	14524.62	1	5822.17	1.7176	0.0597	0.0	0.0	0.0	7.39E-10	1.81E-08	1.43E-07

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF Width	*****	*** INTEGRAT	ED ** ABSOR		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	ИЗ	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
8	5	72	71	19058.71	2	5822.35	1.7175	0.0400	0.0	0.0	0.0	0.0	0.0	3.60E-10
9	6	12	13	12794,27	1	5822.55	1.7175	0.0540	0.0	0.0	0.0	5.84F-09	9.446-08	5.67E-07
3	0	59	60	6651.80	2	5822.89	1.7174	0.0400	0.0	0.0	2.66E-10	2.70E-09	9.99E-09	2.25F-08
6	3	31	32	8095.19	2	5823.13	1.7173	0.0400	0.0	0.0	4.09E-10	7.41F-09	3.87E-08	1.10E-07
5	2	55	56	10222.44	1	5823.40	1.7172	0.0400	0.0	0.0	9.01E-10	3.826-08	3.34E-07	1.33E-06
8	5	2	3	10248.82	2	5824.48	1.7169	0.0707	0.0	0.0	0.0	2.09F-10	1.83E-09	7.30E-09
10	7	58	57	20333.01	1	5824 67	1.7168	0.0400	0.0	0.0	0.0	0.0	9.80E-10	1.96E-08
10	7	8	7	14549.82	1	5824.93	1.7168	0.0574	0.0	0.0	0.0	8.28E-10	2.04E-08	1.62E-07
3	0	70	71	9667.11	1	5825.33	1.7166	0.0400	0.0	0.0	2.27F-10	7.73F-09	5.90E-08	2.15E-07
8	5	71	70	18817.38	2	5826.23	1.7164	0.0400	0.0	0.0	0.0	0.0	0.0	4.25E-10
7	4	18	19	8905.38		5826.35	1.7163	0.0470	0.0	0.0	1.38E-10	3.45E-09	2.19E-08	7.06E-0B
8	5	92	91	25383.46		5826.36	1.7163	0.0400	0.0	0.0	0.0	0.0	0.0	3.55E-10
5	2	41	42	7408.88		5826.49	1.7163	0.0400	0.0	0.0	7.15E-10	9.83E-09	4.36E-08	1.115-07
6	3	46	47	10538.00		5826.60	1.7163	0.0400	0.0	0.0	1.03E-09	4.97E-08	4.68E-07	1.96E-06
9	6	78	77	23157.98		5826.98	1.7162	0.0400	0.0	0.0	0.0	0.0	0.0	2.33E-09
8	5	25	26	11737.38		5827.09	1.7161	0.0400	0.0	0.0	3.02E-10	2.35E-0B	2.95E-07	1.50E-06
10	7	57	56	20132.36		5827.39	1.7160	0.0400	0.0	0.0	0.0	0.0	1.16E-09	2.25E-08
9	6	11	12	12747.07		5827.44	1.7160	0.0542	0.0	0.0	0.0	5.75E-09	9.20E-08	5.48E~07
	7	9					1.7160	0.0550	0.0	0.0	0.0	9.10E-10	2.26E-08	1.80E-07
10		1	8	14578.61		5827.58			0.0	0.0	0.0	1.42E-10	1.24E-09	4.95E-09
8	5	_	2	10238.29		5828.19	1.7158	0.0738		0.0	7.07E-10	7.905-09	3.09E-08	7.22E-08
4	1	50	51	6887.58		5828.59	1.7157	0.0400	0.0		7.57E-10	4.40E-08	4.63E-07	2.09E-06
7	4	36	37	11007.02		5828.90	1.7156	0.0400	0.0	0.0		8-298-09	4.03E-08	1.17E-07
6	3	30	31	7981.43		5829.68	1.7154	0.0400	0.0	0.0	4.79E-10 0.0	0.0	1.36E-09	2.56E-08
10	7	56	55	19935.07	1	5829.99	1.7153	0.0400	0.0	0.0				5.00E-10
8	5	70	69	18579.22		5830.01	1.7153	0.0400	0.0	0.0	0.0	0.0	0.0	1.97E-07
10	7	10	9	14610.99		5830.13	1.7152	0.0547	0.0	0.0	0.0	9.83F-10	2.46F-08	
7	4	17	18	8838.17		5831.64	1.7148	0.0482	0.0	0.0	1.47E-10	3.58E-09	2.24E-08	7.13E-08
8	5	0	1	10231.26		08.1582	1.7147	0.0769	0.0	0.0	0.0	0.0	6.30E-10	2.51E-09
9	6	77	76	22889.33		5831.96	1.7147	0.0400	0.0	0.0	0.0	0.0	0.0	2.82E-09
3	0	58	59	6436.11	2	5832.12	1.7146	0.0400	0.0	0.0	3.72F-10	3.47E-09	1.22E-08	2.656-08
9	6	10	11	12703.48		5832.21	1.7146	0.0545	0.0	0.0	0.0	5.61E-09	8.87E-08	5.25E-07
4	1	62	63	9724.36		5832.27	1.7146	0.0400	0.0	0.0	8.11E-10	2.82E-08	2.19E-07	A.04E-07
10	7	55	54	19741.15		5832.49	1.7145	0.0400	0.0	0.0	0.0	0.0	1.595-09	2.91E-08
10	7	11	10	14646.97	2	5832.57	1.7145	0.0545	0.0	0.0	0.0	1.05E-09	2.64E-08	2.13E-07
5	2	54	55	10015.37	1	5832.72	1.7145	0.0400	0.0	0 • 0	1 • 24E-09	4.86E-08	4.03E-07	1.552-06
8	5	91	90	25068.06	1	5832.94	1.7144	0.0400	0.0	0.0	0.0	0.0	0.0	4.44E-10
8	5	24	25	11642.38	1	5833.33	1.7143	0.0400	0.0	0.0	3.42E-10	2.56E-08	3.14E-07	1.57E-06
e	5	69	68	18344.26		5833.67	1.7142	0.0400	0.0	0.0	0.0	0.0	0.0	5.87E-10
5	2	40	41	7258.90	2	5834.00	1.7141	0.0400	0.0	0.0	8.94E-10	1.16E-08	4.95E-08	1.23F-07
10	7	54	53	19550.62	1	5834.87	1.7138	0.0400	0.0	0.0	0.0	0.0	1 - 86E-09	3.29E-08
10	7	12	11	14686.54	1	5834.90	1.7138	0.0542	0.0	0.0	0.0	1 - 1 OE-09	2.80E-08	2.28E-07
6	3	45	46	10364.77	1	5835.00	1.7138	0.0400	0.0	0.0	1.34E-09	6.04F-08	5.45E-07	2.22E-06
7	4	102	101	26845.17	1	5835.85	1.7135	0.0400	0.0	0.0	0.0	0.0	0.0	8.68E-11
6	3	29	ġο	7871.18	2	5836 • 14	1.7135	0.0400	0.0	0.0	5.57E-10	9.22E-09	4.57E-08	1.25E-07
3	0	69	70	9402.94	1	5836.15	1.7135	0.0400	0.0	0.0	3.44E-10	1.05E-08	7.54E-08	2.64E-07
7	4	35	36	10871.18	1	5836.28	1.7134	0.0400	0.0	0.0	9-22E-10	5.07E-08	5.17E-07	2.29E-06
9	6	76	75	22623.88		5836.82	1.7133	0.0400	0.0	0.0	0.0	0.0	1.17F-10	3.40F-09
7	4	16	17	8774.49	2	5836.83	1.7133	0.0493	0.0	0.0	1.556-10	3.696-09	2.27E-08	7.16E-08
9	6	9	10	12663.53		5836.89	1.7132	0.0547	0.0	0.0	0.0	5.39E-09	8.45E-08	4.97F-07
4	1	49	50	6704.76		5836.97	1.7132	0.0400	0.0	0.0	9.376-10	9.73E-09	3.64E-08	8.26F-08
10	7	53	52	19363.47	_	5837.13	1.7132	0.0400	0.0	0.0	0.0	0.0	2.16E-09	3.71E-08
10	7	13	12	14729.70		5837.13	1.7132	.0.0540	0.0	0.0	0.0	1.14F-09	2.94E-08	2.41E-07
8	5	68	67	18112.48		5837.24	1.7131	0.0400	0.0	. 0.0	0.0	0.0	0.0	6.87E-10
	_													

VU	VL	'nU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORI		EFFICIENT *	*****
				ENERGY		СМ-1	MICRON	NZ	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
в	5	1	0	10227.75	2	5838.72	1.7127	0.0769	0.0	0.0	0.0	0.0	6.46E-10	2.57E-09
10	7	14	13	14776.45	1	5839.25	1.7125	0.0528	0.0	0.0	0.0	1.18E-09	3.06E-08	2.535-07
10	7	52	51	19179.72	1	5839.29	1.7125	0.0400	0.0	0.0	0.0	0.0	2.51E-09	4.18E-08
8	5	90	89	24755.73	1	5839.40 `	1.7125	0.0400	0.0	0.0	0.0	0.0	0.0	5.54E-10
8	5	23	24	11551.01	1	5839.48	1.7125	0.0412	0.0	0.0	3.84E-10	2.77E-08	3.32E-07	1.64E-06
7	4	85	84	20602.01	2	5839.71	1.7124	0.0400	0.0	0.0	0.0	0.0	0.0	8.77E-11
8	5	67	66	17883.92	2	5840.69	1.7121	0.0400	0.0	0.0	0.0	0.0	0.0	8.01E-10
3	0	57	58	6223.85	2	5841.25	1.7120	0.0400	0.0	0.0	5.19E-10	4.45F-09	1.48E-08	3.12E-08
10	7	15	14	14826.79	1	5841.26	1.7120	0.0517	0.0	0.0	0.0	1.20E-09	3.16E-08	2.63E-07
10	7	51	50	18999.38	1	5841.33	1.7119	0.0400	0.0	0.0	0.0	0.0	2.89E-09	4.69E-08
5	2	39	40	7112.42	2	5841.43	1.7119	0.0400	0.0	0.0	1.11F-09	1.36E-08	5.61E-08	1.36E-07
9	6	8	9	12627.20	1	5841.46	1.7119	0.0550	0.0	0.0	0.0	5.11E-09	7.94E-08	4.65E-07
9	6	75	74	22361.64	1	5841.56	1.7119	0.0400	0.0	0.0	0.0	0.0	1.47E-10	4.08E-09
7	4	15	16	8714.33	2	5841.93	1.7118	0.0505	0.0	0.0	1.62E-10	3.76E-09	2.285-08	7.13E-08
5	2	53	54	9811.84	1	5841.94	1.7118	0.0400	0.0	0.0	1.70E-09	6.14E-08	4.85E-07	1.815-06
8	5	2	1	10231.26	2	5842.04	1.7117	0.0738	0.0	0.0	0.0	1.49E-10	1.30E-09	5.19E-09
4	1	61	62	9490.49	1	5842.30	1.7117	0.0400	0.0	0.0	1.17E-09	3.70E-08	2.71E-07	9.59E-07
6	3	28	29	7764.45	2	5842.50	1.7116	0.0400	0.0	0.0	6.45E-10	1.02E-08	4.94E-08	1.33E-07
10	7	16	15	14880.71	1	5843.17	1.7114	0.0505	0.0	0.0	0.0	1.21E-09	3.23E-08	2.71E-07
10	7	50	49	18822,44		5843.26	1.7114	0.0400	0.0	0.0	0.0	0.0	3.32E-09	5.24E-08
6	3	44	45	10195.12		5843.31	1.7114	0.0400	0.0	0.0	1.74E-09	7.30E-08	6.32E-07	2.51E-06
7	4	34	35	10738.94	1	5843.56	1.7113	0.0400	0.0	0.0	1.12E-09	5.82E-08	5.75E-07	2.49E-06
7	4	101		26496.37		5843.58	1.7113	0.0400	0.0	0.0	0.0	0.0	0.0	1.12E-10
8	5	66	65	17658.56		5844.04	1.7111	0.0400	0.0	0.0	0.0	0.0	0.0	9.325-10
10	7	17	16	14938.22		5844.96	1.7109	0.0493	0.0	0.0	0.0	1.21E-09	3.285-08	2.78E-07
7	4	84	83	20317.56		5844.97	1.7109	0.0400	0.0	0.0	0.0	0.0	0.0	1.08E-10
10	7	49	48	18648.93	1	5845.08	1.7108	0.0400	0.0	0.0	0.0	0.0	3.81 E-09	5.83E-08
4	1	48	49	6525.41		5845.25	1.7108	0.0400	0.0	0.0	1.23E-09	1.19E-08	4.28E-08	9.42E-08
8	5	3	2	10238.29		5845.26	1.7108	0.0707	0.0	0.0	0.0	2.25E-10	1.96E-09	7.83E-09
8	5	22	23	11463.27		5845.52	1.7107	0.0423	0.0	0.0	4.27E-10	2.98E-08	3∙505-07	1.70E-06
8	5	89	88	24446.47		5845.75	1.7106	0.0400	0.0	0.0	0.0	0.0	0.0	6.95E-10
9	6	7	8	12594.50	1	5845.93	1.7106	0.0574	0.0	0.0	0.0	4.77E-09	7.35E-08	4.28E-07
9	6	74	73	22102.62	1	5846.19	1.7105	0.0400	0.0	0.0	0.0	0.0	1.84E-10	4.90E-09
10 10	7 7	18 48	17	14999.30	1	5846.66	1.7104	0.0482	0.0	0.0	0.0	1.21E-09	3.316-08	2.83E-07
3	ó	48 68	47 69	18478.84	1	5846.79	1.7103	0.0400	0.0	0.0	0.0	0.0	4.35E-09	6.48E-08
7	4	14	15	9142.25	1	5846.88	1.7103	0.0400	0.0	0.0	5.17E-10	1.43E-08	9.60E-08	3.226-07
8	5	65	64	8657.70	2	5846.93	1.7103	0.0517	0.0	0.0	1.68E-10	3.81E-09	2.28E-08	7.06E-08
10	7	19	18	17436.43 15063.96		5847.28	1.7102	0.0400	0.0	0.0	0.0	0.0	0.0	1.08E-09
10	7	47	46	18312.18		5848.24	1.7099	0.0470	0.0	0.0	0.0	1.19E-09	3.31E-08	2.86E-07
8	5	4	3		1	5848.38	1.7099	0.0400	0.0	0.0	0.0	0.0	4.94E-09	7.17E-08
5	2	38	39	10248.82		5848.38	1.7099	0.0676	0.0	0.0	0.0	2.99E-10	2.62E-09	1.05E-08
6	3	27	28	6969.43		5848.76	1.7098	0.0400	0.0	0.0	1.37E-09	1.58E-08	6.32E-08	1.49E-07
10	7	20	19	7661,24 15132,20		5848.77	1.7098	0.0400	0.0	0.0	7.43E-10	1.13E-08	5∙33€→08	1.41E-07
10	7	46	45			5849.72	1.7095	0.0458	0.0	0.0	0.0	1.16E-09	3.30E-08	2.88E-07
7	4	83	82	18148.97		5849.86	1.7094	0.0400	0.0	0.0	0.0	0.0	5.598-09	7.91E-08
3	0	56	57			5850.12	1.7094	0.0400	0.0	0.0	0.0	0.0	0.0	1.32E-10
9	6	50 6	7	. 6015.03 12565.43		5850.30 5850.30	1.7093	0.0400	0.0	0.0	7•19€→10	5.67E-09	1.80E-08	3.65E-08
8	5	64	63	17217.54		5850.30	1.7093 1.7093	0.0597	0.0	0.0	0.0	4.36F-09	6-675-08	3.86E-07
9	6	73	72	21846.84				0.0400	0.0	0.0	0.0	0.0	1.03E-10	1.25E-09
7	4	33	34	10610.31	i	5850.71 5850.75	1.7092 1.7092	0.0400	0.0	0.0	0.0	0.0	2.29E-10	5.85E-09
5	2	52	53	9611.86		5851.07	1.7092	0.0400 0.0400	0.0	0.0	1.34E-09	6.65E-08	6.36E-07	2.70E-06
10	7	21	20	15204.01		5851.07	1.7091	0.0400	0.0	0 • 0 0 • 0	2.32E-09 0.0	7.73E-08 1.13E-09	5.82E-07 3.26E-08	2.10E-06
	٠				-			0,044,	~~~	V • V	0.0	1.135-03	ಎಕ್ಕಣಹ=08	2.88E-07

γu	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORI		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
_			99	26150.54	1	5851.20	1.7091	0.0400	0.0	0.0	0.0	0.0	0.0	1.44E-10
7		100	44				1.7091	0.0400	0.0	0.0	0.0	1.12F-10	6.31E-09	8.70E-08
10	7 5	45 5	4	17989.20 10262.87		5851.24 5851.40	1.7090	0.0645	0.0	0.0	0.0	3.73E-10	3.28E-09	1.316-08
8 8	5	21	22	11379.15		5851.46	1.7090	0.0435	0.0	0.0	4.72E-10	3.18E-08	3.66E-07	1.76E-06
6	3	43	44	10029.06		5851.52	1.7090	0.0400	0,•0	0.0	2.23E-09	8.77F-08	7.31E-07	2.82E-06
7	4	13	14	8604.60		5851.83	1.7089	0.0528	0.0	0.0	1.72E-10	3.83E-09	2.26E-08	6.94E-08
ė	5	88	87	24140.31	ĩ	5851.98	1.7088	0.0400	0.0	0.0	0.0	0.0	0.0	8.698-10
4	1	60	61	9260.14		5852.23	1.7088	0.0400	0.0	0.0	1.67E-09	4.82E-08	3.346-07	1.14E-06
10	7	22	21	15279.39		5852.35	1.7087	0.0435	0.0	0.0	0.0	1.09E-09	3.21E-08	2.87E-07
10	7	44	43	17832.88		5852.50	1.7087	0.0400	0.0	0.0	0.0	1.31F-10	7.09E-09	9.53E-08
8	5	63	62	17001.87		5853.44	1.7084	0.0400	0.0	0.0	0.0	0.0	1.23E-10	1-44E-09
4	1	47	48	6349.53		5853.45	1.7084	0.0400	0.0	0.0	1.61E-09	1.45E-08	5.00E-08	1.07E-07
10	7	23	22	15358.34		5853.50	1.7084	0.0423	0.0	0.0	0.0	1.05F-09	3.14E-08	2.84E-07
10	7	43	42	17680.03		5853.64	1.7083	0.0400	0.0	0.0	0.0	1.52E-10	7 • 93E09	1.04E-07
8	5	6	5	10280.43		5854.32	1.7081	0.0621	0.0	0.0	0.0	4.436-10	3.916-09	1.57E-08
10	7	24	23	15440.84	1	5854.54	1.7081	0.0412	0.0	0.0	0.0	1.00E-09	3.06E-08	2.80E-07
9	6	5	6	12539.99	1	5854.56	1.7081	0.0621	0.0	0.0	0.0	3.88E-09	5.90E-08	3.41E-07
10	7	42	41	17530.64	1	5854.68	1.7080	0.0400	0.0	0.0	0.0	1.76E-10	8.83E-09	1.13E-07
۰ 6	3	26	27	7561.55	2	5854.94	1.7080	0.0400	0.0	0.0	8.50E-10	1.24F-08	5.72E-08	1 • 4 9 = -0 7
9	6	72	71	21594.31	ı'	5855.11	1.7079	0.0400	0.0	0.0	0.0	0.0	2.84E-10	6.98E-09
7	4	82	81	19757.90	2	5855.17	1.7079	0.0400	0.0	0.0	0.0	0.0	0.0	1.61E-10
10	7	25	24	15526.91	1	5855.48	1.7078	0.0400	0.0	0.0	0.0	9.50E-10	2.96E-08	2.75E-07
10	7	41	40	17384.73		5855.61	1.7078	0.0400	. 0.0	0.0	0.0	2.02E-10	9.81E-09	1.23E-07
5	2	37	38	6829.95		5856.00	1.7077	0.0400	0.0	0.0	1.68E-09	1.84E-08	7.09E-08	1.64E-07
10	7	26	25	15616.54		5856.31	1.7076	0.0400	0.0	0.0	0.0	8.96E-10	2.85E-08	2.69E-07
8	5	62	61	16789.46		5856.36	1.7075	0.0400	0.0	0.0	0.0	0.0	1.46E-10	1.66E-09
10	7	40	39	17242.29		5856.43	1.7075	0.0400	0.0	0.0	0.0	2.31E-10	1.08E-08	1.33E-07
7	4	12	13	8555.02		5856.64	1.7075	0.0540	0.0	0.0	1.75E-10	3.81E-09	2.22E-08	6.77E-08
10	7	27	26	15709.71		5857.03	1.7074	0.0400	0.0	0.0	0.0	8.39E-10	2.73E-08	2.61E-07
10	7	39	38	17103.34		5857.13	1.7073	0.0400	0.0	0.0	0.0	2.63E-10	1.195-08	1.43E-07 1.82E-08
8	5	7	6	10301.50		5857.14	1.7073	0.0597	0.0	0.0	0.0 5.18E-10	5.10E-10 3.38E-08	4.52E-09 3.82E-07	1.81E-06
8 3	5 0	20 67	21 68	11298.67 8885.04		5857.30	1.7073 1.7072	0.0447 0.0400	0.0	0.0	7.73E-10	1.92E-08	1.22E-07	3.92E-07
	7	28	27	15806.43		5857.52 5857.64	1.7072	0.0400	0.0	0.0	0.0	7.82E-10	2.60E-08	2.53E-07
10 10	7	38	37	16967.88		5857.73	1.7071	0.0400	0.0	0.0	0.0	2.97E-10	1.31E-08	1.53E-07
7	4	32	33	10485.30		5857.83	1.7071	0.0400	0.0	0.0	1.60E-09	7.55E-08	7.01E-07	2.91E-06
8	5	87	86	23837.25		5858.09	1.7070	0.0400	0.0	0.0	0.0	0.0	0.0	1.08E-09
10	7	29	28	15906.70		5858.14	1.7070	0.0400	0.0	0.0	0.0	7.24F-10	2.47E-08	2.44E-07
10	7	37	36	16835.92		5858.21	1.7070	0.0400	0.0	0.0	0.0	3.35E-10	1.43E-08	1.64E-07
10	7	30	29	16010.51		5858.53	1.7069	0.0400	0.0	0.0	0.0	6.67E-10	2.336-08	2.35E-07
10	7	36	35	16707.46		5858.59	1.7069	0.0400	0.0	0.0	0.0	3.76E-10	1.55E-08	1.74E-07
7	4	99	98	25807.67		5858.70	1.7069	0.0400	0.0	0.0	0.0	0.0	0.0	1.85E-10
9	6	4	5	12518.18	1	5858.71	1.7069	0.0645	0.0	0.0	0.0	3.35E-09	5.07E-08	2.91E-07
10	7	31	30	16117.86		5858.81	1.7068	0.0400	0.0	0.0	0.0	6.15E-10	2.20E-08	2.25E-07
10	7	35	34	16582.50	1	5858.85	1.7068	0.0400	0.0	0.0	0.0	4.19F-10	1.68E-08	1.85E-07
10	7	32	31	16228.73	1	5858.99	1.7068	0.0400	0.0	0.0	0.0	5.636-10	2.07E-08	2.16E-07
10	7	34	33	16461.06	1	5859.01	1.7068	0.0400	0.0	0.0	0.0	4.65E-10	1.81E-08	1.956-07
10	7	33	32	16343.14		5859,05	1.7068	0.0400	0.0	0.0	0.0	5.13F-10	1.94E-08	2.06E-07
8	5	61	60	16580.31		5859.18	1.7067	0.0400	0,•0	0.0	0.0	0.0	1.73E-10	1.90E-09
3	0	55	56	5809.67		5859.25	1.7067	0.0400	o'• o	0.0	9.90E-10	7.195-09	2.17E-08	4.27E-08
9	6	71	70	21345.04		5859.39	1.7067	0.0400	0.0	0.0	0.0	0.0	3.52E-10	8 • 2 9E-09
6	3	42	43	9866.59		5859.63	1.7066	0.0400	0.0	0.0	2.85E-09	1.05E-07	8-41E-07	3.17E-06
8	5	8	7	10326.08	2	5859.87	1.7065	0.0574	0.0	0.0	0.0	5.72E-10	5.11E-09	2.06E-08

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	D ** ABSORF		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
							-			••	~~~~~			
5	2	51	52	9415.45		5860.09	1.7065	0.0400	0.0	0.0	3.15E-09	9.68E-08	6.96E-07_	2.44E-06
7	4	81	80	19482.71	2	5860.10	1.7065	0.0400	0.0	0.0	0.0	0.0	0.0	1.96E-10
6	3	25	26	7465.39	2	5861.02	1.7062	0.0400	0.0	0.0	9.64E-10	1.36E-08	6.10E-08	1.56E~07
7	4	11	12	8508.98		5861.35	1.7061	0.0542	0.0	0.0	1.75E-10	3.758-09	2.16E-08	6.555-08
4	1	46	47	6177.14		5861.55	1.7060	0.0400	0.0	0.0	2.10E-09	1.77E-08	5.83E-08_	1.21E-07
8	5	60	59	16374.42		5861.89	1.7059	0.0400	0.0	0.0	0.0	0.0	2.04E-10	2.17E-09
4	1	59	60	9033,32		5862.07	1.7059	0.0400	0.0	0.0	2.37E-09	6.25E-08	4 • 10E-07	1.35E-06
8	5	9	8	10354.17		5862.49	1.7058	0.0550	0.0	0.0	0.0	6.29E-10	5.66E-09	2.30E~08
9	6 5	3	4	12500.01	ī	5862.77	1.7057	0.0676	0.0	0.0	0.0	2.76E-09,	_4.16E_08	_ 2 <u>.38</u> E-07
8 5	2	19 36	20 37	11221.82	1	5863.03	1.7056	0.0458	0.0	0.0	5.63E-10	3.56E-08	3,955-07	1.85E-06
9	6	70	57 69	6693.98	2	5863.14	1.7056	0.0400	0.0	0.0	2.05E-09	2.12E-08	7.93E-08	1.79E-07
8	5	86	85	21099.03 23537.30	1	5863.56	1.7054	0.0400	0.0	0.0	0.0	0.0	4.34E-10	9.83E-09
8	5	59	58	16171.80	1 2	5864.08	1.7053	0.0400	0.0	0.0	0.0	0.0	0.0	1.35E-09
7	4	31	32	10363.92		5864.49	1.7052	0.0400	0.0	0.0	0.0	0.0	2.41E-10	2.48E-09
7	4	80	79	19210.62	2	5864.81 5864.92	1.7051	0.0400	0.0	0.0	.1.90E-09	8.52E-08	7.69E_07	3.14E-06
ė	5	10	9	10385.77	2	5865.02	1.7051 1.7050	0.0400 0.0547	0.0	0.0	0.0	0.0	0.0	2.38E-10
7	4	10	11	8466.48	2	5865.96	1.7048	0.0545	0.0 0.0	0.0 0.0	0.0 1.74E-10	6.81E-10 3.65E-09	6.16E-09 2.09E-08	2.52E-08
7	4	98	97	25467.79	ī	5866.07	1.7047	0.0400	0.0	0.0	0.0	3.035-03		6.26E-08
9	6	2	3	12485.47		5866.72	1.7045	0.0707	0.0	0.0	0.0	2.12E-09	0•0 3•19E÷08	2.376-10
ē	5	58	57	15972.47	2	5866.99	1.7045	0.0400	0.0	0.0	0.0	0.0	2.84E-10	1.82E-07 2.83E-09
6	3	24	25	7372.76	2	5867.01	1.7044	0.0400	0.0	0.0	1.09E-09	1.47E-08	6.48E-08	1.63E~07
8	5	11	10	10420.87		5867.45	1.7043	0.0545	0.0	0.0	0.0	7.26E-10	6.63E-09	2.72E-08
9	6	69	68	20856.30	ī	5867.61	1.7043	0.0400	0.0	0.0	0.0	0.0	5.32E-10	1-16E-08
6	3	41	42	9707.73	1	5867.64	1.7043	0.0400	0.0	0.0	3.62E-09	1.25E-07	9.64E-07	3.54E~06
3	0	66	67	8631.33	1	5868.06	1.7041	0.0400	0.0	0.0	1.15E-09	2.586-08	1.54E-07	4.76E-07
3	0	54	55	5607.77	2	5868.12	1.7041	0.0400	0.0	0.0	1.36E-09	9.08E-09	2.615-08	4.97E-08
8	5	18	19	11148.61	1	5868.67	1.7040	0.0470	0.0	0.0	6.07E-10	3.735-08	4.07E-07	1.88E-06
5	2	50	51	9222.61	1	5869.02	1.7039	0.0400	0.0	0.0	4.24E-09	1.21E-07	8.28E-07	2.81E-06
8	5	57	56	15776.43	2	5869.38	1.7038	0.0400	0.0	0.0	0.0	0.0	3.34E-10	3.23E-09
4	1	45	46	6008.24	2	5869.56	1.7037	0.0400	0.0	0.0	2.72E-09	2.135-08	6.77E-08	1.37E-07
7	4	79	78	18941.66	2	5869.64	1.7037	0.0400	0.0	. 0 . 0	0.0	0.0	0.0	2.88E-10
8	5	12	11	10459.48	2	5869.78	1.7036	0.0542	0.0	0.0	0.0	7.64E-10	7.04E-09	2.91E-08
8	5	85	84	23240.48	1	5869.96	1.7036	0.0400	0.0	0.0	0.0	0.0	0.0	1.67E-09
5	2	35	36	6561:53	2	5870.19	1.7035	0.0400	0.0	0.0	2.49E-09	2.44F-08	8.82E-08	1.95E-07
7	4	9	10	8427.51	2	5870.48	1.7034	0.0547	0.0	0.0	1.70E-10	3.51E-09	1.99E-08	5.93E-08
9	6	1	2	12474.57	1	5870.56	1.7034	0.0738	0.0	0.0	0.0	1.45E-09	2.16E-08	1.24E-07
9	6	68	67	20616.86	1	5871.55	1.7031	0.0400	0.0	0.0	0.0	0.0	6.51E-10	1.37E-08
8	5	56	55	15583.68		5871.67	1.7031	0.0400	0.0	0.0	0.0	0.0	3.91E-10	3.66E-09
7 4	4	30	31	10246.16	1	5871.70	1.7031	0.0400	0.0	0.0	2.236-09	9.58E-08	8.40E-07	3.36E-06
8	. 1 . 5	58 13	59 12	8810.04		5871.81	1.7031	0.0400	0.0	0.0	3.36E-09	8.11E-08	5.05E-07	1.60E-06
6	3	23	24	10501,59 7283.66	2	5872.00	1.7030	0.0540	0.0	0.0	0.0	7.96E-10	7.41E-09	3.08E-08
7	4	97	96	25130.91		5872.90	1.7027	0.0412	0.0	0.0	1.22E~09	1.595-08	6.855-08	1.705-07
8	5	55	54	15394.23	1 2	5873.33 5873.85	1.7026	0.0400	0.0	0.0	0.0	0.0	0.0	3.03E-10
8	5	14	13	10547.20	2	5874.13	1.7025	0.0400	0.0	0.0	0.0	0.0	4.56F-10	4.14E-09
8	5	17	18	11079.05	1	5874.20	1.7024 1.7024	0.0528 0.0482	0.0	0.0	0.0 6.495~10	8.205-10	7.72E-09	3.236-08
7	4	78	77	18675.82	2	5874-25	1.7024	0.0482	0.0	0.0	6.49E-10 0.0	3.88E-08 0.0	4.16E-07 0.0	1.90E-06
9	6	0	1	12467.30	1	5874.30	1.7023	0.0769	0.0	0.0	0.0	7.35F-10		3.47E-10
7	4	8	9	8392.08	2	5874.90	1.7022	0.0550	0.0		1.63E-10	3.32F-09	1.10E-08 1.87E-08	6.27E~08 5.54E-08
9	6	67	66	20380.71	ī	5875.37	1.7020	0.0400	0.0	0.0	0.0	0.0	7.94E-10	1.61E-08
6	3	40	41	9552.46	1	5875.56	1.7020	0.0400	0.0	0.0	4.56E-09	1.48E-07	1.10E-06	3.94E-06
8	5	84	83	22946.81		5875.72	1.7019	0.0400	0.0	0.0	0.0	0.0	0.0	2.07E-09
							*	*			* -			

VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORE		EFFICIENT *	*****
				ENERGY		CM →1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
8	5	54	53	15208.11	2	5875.93	1.7019	0.0400	0.0	0.0	0.0	0.0	5.29E-10	4.67E-09
8	. 5	15	14	10596.32	2	5876.16	1.7018	0.0517	0.0	0.0	0.0	8.37E-10	7.97F-09	3.37E-08
3	. 0	53	54	5409.33	2	5876.89	1.7016	0.0400	0.0	0.0	1.84E-09	1.14E-08	3.13E-08	5.78E-08
5	2	34	35	6432.60	2	5877.15	1.7015	0.0400	0.0	0.0	2.99E-09	2.79E-08	9.78E-08	2.12E-07
4	1	44	45	5842.84	2	5877.48	1.7014	0.0400	0.0	0.0	3.49E-09	2.57E-08	. 7.82E-08	1.54E-07
5	2	49	50	9033.35	1	5877.85	1.7013	0.0400	0.0	0.0	5.67E-09	1.50E-07	9.82F-07	3.23E-06
а	5	53	52	15025.29	2	5877.90	1.7013	0.0400	0.0	0.0	0.0	0.0	6.135-10	5.25E-09
8	5	16	15	10648.93	2	5878.09	1.7012	0.0505	0.0	0.0	0.0	8.47F-10	8-17E-09	3.48E-08
7	4	29	30	10132.03	1	5878.48	1.7011	0.0400	0.0	0.0	2.61E-09	1.07E-07	9.13E-07	3.59E-06
3	0	65	66	8381.13	1	5878.50	1.7011	0.0400	0.0	0.0	1.70E-09	3.46E-08	1.94E-07	5.76E-07
6	3	22	23	7198.11	2	5878.70	1.7011	0.0423	0.0	0.0	1.356-09	1.71E-08	7.20E-08	1.775-07
7	4	77	76	18413.12	2	5878.75	1.7010	0.0400	0.0	0.0	0.0	0.0	0.0	4 • 1 8E-1 0
9	6	66	65	20147.87	1	5879.08	1.7009	0.0400	0.0	0.0	0.0	0.0	9.65E-10	1.88E-08
7	4	7	8	8360.19	2	5879.23	1.7009	0.0574	0.0	0.0	1.54E-10	3.10E-09	1.73E-08	5.09E-08
8	5	16	17	11013.12	1	5879.63	1.7008	0.0493	0.0	0.0	6.87E-10	4.00E-08	4.22E-07	1.91E-06
8	5	52	51	14845.80	2	5879.76	1.7007	0.0400	0.0	0.0	0.0	0.0	7.07E-10	5.89E-09
8	5	17	16	10705.04	2	5879.92	1.7007	0.0493	0.0	0.0	0.0	8.50E-10	8.315-09	3.575-08
7	4	96	95	24797.05	1	5880.48	1.7005	0.0400	0.0	0.0	0.0	0.0	0.0	3.85E-10
8	5	83	82	22656.29	1	5881.36	1.7003	0.0400	0.0	0.0	0.0	0.0	0.0	2.55E-09
4	1	57	58	8590.31	1	5881.45	1.7003	0.0400	0.0	0.0	4.74E-09	1.05E-07	6 • 1 BE- 07	1.90E-06
9	6	1	0	12463.66	1	5881.47	1.7003	0.0769	0.0	0.0	0.0	7.53E-10	1.136-08	6.41E-08
8	5	51	50	14669.65	2	5881.52	1.7002	0.0400	0.0	0.0	0.0	0.0	8-12E-10	6.58E-09
8	5	18	17	10764.64	2	5881.64	1.7002	0.0482	0.0	0.0	0.0	8.47E-10	8.405-09	3.64E-08
9	6	65	64	19918.36	1	5882.68	1.6999	0.0400	0.0	0.0	0.0	0.0	1-17E-09	2.19E-08
7	4	76	75	18153.57	2	5883.14	1.6998	0.0400	0.0	0.0	0.0	0.0	0.0	5.02E-10
8	5	50	49	14496.84	2	5883.18	1.6998	0.0400	0.0	0.0	0.0	0.0	9.30E-10	7.33E-09
8	5	19	18	10827.74	2	5883.27	1.6997	0.0470	0.0	0.0	0.0	8.37E-10	8.43E-09	3.69E-08
6	3	39	40	9400.82	1	5883.37	1.6997	0.0400	0.0	0.0	5.71E-09	1.75E-07	1.25E-06	4.37E-06
7	4	6	7	8331.84	2	5883.45	1.6997	0.0597	0.0	0.0	1.42E-10	2.83E-09	1.56E-08	4.60E-08
5	2	33	34	6307.19	2	5884.02	1.6995	0.0400	0.0	0.0	3.58E-09	3.17E-08	1.08E-07	2.30E-07
6	3	·21	22	7116.09	2	5884.40	1.6994	0.0435	0.0	0.0	1.49E-09	1.82E-08	7.53E-08	1.82E-07
8	5	49	48	14327.37	2	5884.73	1.6993	0.0400	0.0	0.0	0.0	0.0	1.06E-09	8.14E-09
8	5	20	19	10894.32	2	5884.80	1.6993	0.0458	0.0	0.0	0.0	8.22E-10	8.41E-09	3.72E-08
9	6	2	1	12467.30	1	5884.89	1.6993	0.0738	0.0	0.0	0.0	1.52E-09	2.27E-08	1.29E-07
8	5	15	16	10950.85	1	5884.96	1.6992	0.0505	0.0	0.0	7.21E-10	4.10E-08	4.26E-07	1.91E-06
7	4	28	29	10021.54	1	5885.16	1.6992	0.0400	0.0	0.0	3.05E-09	1.19E-07	9.92E-07	3.83E-06
4	1	43	44	5680.94	2	5885.30	1.6991	0.0400	0.0	0.0	4.46E-09	3.07E-08	9.01E-08	1.73E-07
3	0	52	53	5214.37	2	5885.57	1.6991	0.0400	0.0	0.0	2.50E-09	1.43E-08	3.74E-08	6.69E-08
9	6	64	63	19692.16	1	5886.16	1.6989	0.0400	0.0	0.0	0.0	0.0	1.41E-09	2.55E-08
8	5	48	47	14161.26	2	5886.18	1.6989	0.0400	0.0	0.0	0.0	0.0	1.215-09	9.005-09
8	5	21	20	10964.39	2	5886.22	1.6989	0.0447	0.0	0.0	0.0	8.01E-10	8.335-09	3.73E-08
5	2	48	49	8847.68	1	5886.59	1.6988	0.0400	0.0	0.0	7.54E-09	1.85E-07	1.16E-06	3.715-06
8	5	82	81	22368.93	1	5886.89	1.6987	0.0400	0.0	0.0	0.0	0.0	1 . 13E-10	3-14E-09
7	4	75	74	17897.18	2	5887.42	1.6985	0.0400	0.0	0.0	0.0	0.0	0.0	6.01E-10
7	4	95	94	24466.21	1	5887.50	1.6985	0.0400	0.0	0.0	0.0	0.0	0.0	4.89E-10
8	5	47	46	13998.51	2	5887.52	1.6985	0.0400	0.0	0.0	0.0	0.0	1.37E-09	9.936-09
8	5	22	21	11037.95	2	5887.55	1.6985	0.0435	0.0	0.0	0.0	7.76E-10	8.21E-09	3.72E-08
7	4	5	6	8307.03	2	5887.59	1.6985	0.0621	0.0	0.0	1.28E-10	2.52E-09	1.396-08	4.06E-08
9	6	3	2	12474,57	1	5888.21	1.6983	0.0707	0.0	0.0	0.0	2.285-09	3.42E-08	1.95E-07
8	5	46	45	13839.13	2	5888.76	1.6982	0.0400	0.0	0.0	0.0	0.0	1.54E-09	1.09E-08
8	5	23	22	11114.98	2	5888.77	1.6981	0.0423	0.0	0.0	0.0	7.47E-10	8.05E-09	3.69E-08
3	0	64	65	8134.45	1	5888.85	1.6981	0.0400	0.0	0.0	2.50E-09	4.60E-08	2.43E-07	6.94E-07
9	6	63	62	19469.31	1	5889.53	1.6979	0.0400	0.0	0.0	0.0	0.0	1.69E-09	2.96E-08

VU	٧L	Jυ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HÄLF WIDTH	******	** INTEGRATE	ED ** ABSORE		EFFICIENT *	****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
8	5	45	44	13683.11	2	5889.89	1.6978	0.0400	0.0	0 • 0	0.0	0.0	1.73E-09	. 1.20E-08
8	5	24	23	11195.50	2	5889.90	1.6978	0.0412	0.0	0.0	0.0	7.14F-10	7.85E-09	3.65E-08
6	3	20	21	7037.61	2	5890.00	1.6978	0.0447	0.0	0.0	1.63E-09	1.93E-08	7.83E-08	1.87E-07
8	5	14	15	10892.23	1	5890.18	1.6977	0.0517	0.0	0.0	7.50E-10	4.16F-08	4.26E-07	1.89E-06
5	2	32	33	6185.32		5890.79	1.6976	0.0400	0.0	0.0	4.25E-09	3.59E-08	1.19E-07	2.48E-07
8	5	25	24	11279.49	2	5890.92	1.6975	0.0400	0.0	0.0	0.0	6.79E-10	7.62E-09	3.59E-08
8	5	44	43	13530.48	2	5890.92	1.6975	0.0400	0.0	0.0	0.0	1.01E-10	1.94E-09	1.31E-08
4	1	56	57	8374.14	1	5891.00	1 • 6 9 7 5	0.0400	0.0	0.0	6.64E-09	1.35E-07	7.54E-07	2.24E-06
6	3	38	39	9252.79	1	5891.09	1.6975	0.0400	0.0	0.0	7.11E-09	2.05E-07	1.42E-06	4.84E-06
9	6	4	3	12485.47	1	5891.43	1.6974	0.0676	0.0	0.0	0.0	3.04E-09	4.57E-08	2.61E-07
7	4	74	73	17643.96	2	5891.60	1.6973	0.0400	0.0	0.0	0.0	0.0 .	0.0	7.17E-10
7	4	4	5	8285.77	2	5891.62	1.6973	0.0645	0.0	0.0	1.11E-10	2.17E-09	1.19E-08	3.47E-08
7	4	27	28	9914.69	1	5891.74	1.6973	0.0400	0.0	0.0	3.53E-09	1.32E-07	1 - 07E-06	4.07E-06
8	5	26	25	11366.95	2	5891.84	1.6973	0.0400	0.0	0.0	0.0	6.42E-10	7.35E-09	3.51E-08
8	5	43	42	13381.23	2	5891.85	1.6973	0.0400	0.0	0.0	0.0	1.16E-10	2.16E-09	1.42E-08
8	5	81	80	22084.76	1	5892.30	1.6971	0.0400	0.0	0.0	0.0	0.0	1.45E-10	3.84E-09
8	5	27	26	11457.88	2	5892.66	1.6970	0.0400	0.0	0.0	0.0	6.03E-10	7.06E-09	3.42E-08
8	5	42	41	13235.37	2	5892.67	1.6970	0.0400	0.0	0.0	0.0	1.34E-10	2.40E-09	1.54E-08
9	6	62	61	19249.80	1	5892.78	1.6970	0.0400	0.0	0.0	0.0	0.0	2.03E-09	3.42E-08
4	1	42	43	5522.55	2	5893:04	1.6969	0.0400	0.0	1.06E-10	5.66E-09	3.66E-08	1.03E-07	1.945-07
8	5	28	27	11552.28	2	5893.37	1.6968	0.0400	0.0	0.0	0.0	5.64E-10	6.75E-09	3.32E-08
8	5	41	40	13092.91	2	5893,39	1.6968	0.0400	0.0	0.0	0.0	1.535-10	2.656-09	1.67E-08
8	5	29	28	11650.14	2	5893.99	1.6966	0.0400	0.0	0.0	0.0	5.246-10	6.42E-09	3.21E-08
8	5	40	39	12953.84	2	5894.01	1.6966	0.0400	0.0	0.0	0.0	1.74E-10	2.92E-09	1.80E-08
6	3	105	104	26035.98	. 1	5894.03	1.6966	0.0400	0.0	0 0	0.0	0.0	0.0	9.958-11
3	0	51	52	5022.89	2	5894.17	1.6966	0.0400	0.0	0.0	3.366-09	1.78E-08	4.45E-08	7.72E-08
7	4	94	93	24138.43	1	5894.40	1.6965	0.0400	0.0	0.0	0.0	0.0	0.0	6.19E-10
8	5	30	29	11751.45	2	5894.50	1.6965	0.0400	0.0	0.0	0.0	4.84E-10	6.08E-09	3.09E-08
8	5	39	38	12818.19	2	5894.52	1.6965	0.0400	0.0	0.0	0.0	1.97E-10	3.20E-09	1.936-08
9	6	5	4	12500.01	1	5894.54	1.6965	0.0645	0.0	0.0	0.0	3.78E-09	5.70E-08	3.27E-07
8	5	31	30	11856.22	2	5894.92	1.6964	0.0400	0.0	0.0	0.0	4.48E-10	5.77E-09	2.98E-08
8	5	38	37	12685.95	2	5894.93	1.6964	0.0400	0.0	0.0	0.0	2.22E-10	3.50E-09	2.06E-08
8	5	32	31	11964.44	2	5895+23	1.6963	0.0400	0.0	0.0	0.0	4.11E-10	5-44E-09	2.865-08
5	2	47	48	8665.59	1	5895.23	1.6963	0.0400	0.0	0.0	9.96E-09	2.27E-07	1.365-06	4.24E-06
8	5	37	36	12557.12	2	5895.24	1.6963	0.0400	0.0	0.0	0.0	2.50E-10	3.80E-09	2.20E-08
8	5	13	14	10837.26	1	5895.31	1.6963	0.0528	0.0	0.0	7.71E-10	4.19E-08	4.23E-07	1.86E-06
В	5	33	32	12076.10	2	5895.43	1.6962	0.0400	0.0	0.0	0.0	3.76E-10	5.11E-09	2.73E-08
8	5	36	35	12431.72	2	5895.44	1.6962	0.0400	0.0	0.0	0.0	2.79E-10	4-12E-09	2.33E-08
6	3	19	20	6962.68	2	5895.52	1.6962	0.0458	0.0	0.0	1.76E-09	2.03E-08	8.09E-08	1.91E-07
8	5	35	34	12309.75	2	5895.54	1.6962	0.0400	0.0	0-0	0.0	3.10E-10	4.45E-09	2.47E-08
8	5	34	33	12191.21	2	5895.54	1.6962	0.0400	0.0	0,0	0.0	3.42E-10	4.78E-09	2.60E-08
7	4	3	4	8268.04	2	5895.56	1.6962	0.0676	0.0	0.0	0.0	1.79E-09	9.75E-09	2.84E-08
6	3	89	88	19878.00	2	5895.56	1.6962	0.0400	0.0	0.0	0.0	0.0	0.0	9.54E-11
7	4	73	72	17393.93	2	5895.67	1.6962	0.0400	0.0	0 • 0	0.0	0.0	0.0	8.53E-10
9	6	61	60	19033.64	1	5895.92	1.6961	0.0400	0.0	0.0	0.0	0.0	2.42F-09	3.94E-08
5	2	31	32	6066.97		5897.47	1.6956	0.0400	0.0	0.0	5.02E-09	4.04E-08	1.30E-07	2.66E-07
9	6	6	5	12518.18	1	5897.54	1.6956	0.0621	0.0	0+0	0.0	4.49E-09	6.80E-08	3.91E-07
8	5	80	79	21803.77	1	5897.59	1.6956	0.0400	0.0	040	0.0	0.0	1.855-10	4.70E-09
7	4	26	27	9811.48		5898.23	1.6954	0.0400	0.0	0.0	4.05E-09	1.46F-07	1.15E-06	4.31E-06
6	3	37	38	9108.38		5898.71	1.6953	0.0400	0.0	0.0	8.79E-09	2.39E-07	1.60E-06	5.33E-06
9	5	60	59	18820.86		5898.95	1.6952	0.0400	0.0	0.0	0.0	0.0	2.87E-09	4.52E-08
3	0	63	64	7891.29		5899.10	1.6952	0.0400	0.0	0.0	3.65E-09	6.10E-08	3.04E-07	8.35E-07
7	4	2	3	8253.86		5899.39	1.6951	0.0707	0.0	0.0	0.0	1.38F-09	7.48E-09	2.17E-08

νυ	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	*****	*** INTEGPAT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	4	72	71	17147.08	2	5899.63	1.6950	0.0400	0.0	0.0	0.0	0.0	0.0	1.01E-09
8	5	12	13	10785.94	1	5900.33	1.6948	0.0540	0.0	0.0	7.84E-10	4.17F-08	4 - 1 75-07	1-82E-06
9	6	7	6	12539,99	1	5900.44	1.6948	0.0597	0.0	0.0	0.0	5.16E-09	7.85E-08	4.535-07
4	1	55	56	8161.53	1	5900.45	1.6948	0.0400	0.0	0.0	9.25E-09	1.72E-07	9.17E-07	2.63E-06
4	1	41	42	5367.68	2	5900.68	1.6947	0.0400	0.0	1.51E-10	7.13E-09	4.34E-08	1.18E-07	2.16E-07
6	3	18	19	6891.30	2	5900.93	1.6946	0.0470	0.0	0.0	1.90E-09	2.12E-08	8.32F-08	1.94E-07
7	4	93	92	23813.70	1	5901.19	1.6946	0.0400	0.0	0.0	0.0	0.0	0.0	7.82E-10
6	3	88	87	19578.50	2	5901.23	1.6946	0.0400	0.0	0.0	0.0	0.0	0.0	1.19E-10
9	6	59	58	18611.44	1	5901.86	1.6944	0.0400	0.0	0.0	0.0	0.0	3.42E-09	5.21E-08
6	3	104	103	25674.78	1	5902.10	1.6943	0.0400	0.0	0.0	0.0	0.0	0.0	1.30E-10
3	0	50	51	4834.91	2	5902.67	1.6941	0.0400	0.0	1-46E-10	4.48E-09	2.SIE-08	5.28F-08	8.87E-08
8	5	79	78	21525.99	1	5902.77	1.6941	0:0400	0.0	0.0	0.0	0.0	2.36E-10	5.73€-09
7	4	1	2	8243.23	12	5903.13	1.6940	0.0738	0.0	0.0	0.0	9.38E-10	5.08E-09	1.47E-08
9	6	8	7	12565.43	1	5903.23	1.6940	0.0574	0.0	0.0	0.0	5.79E-09	8.86E-08	5.13E-07
7	4	71	70	16903.43	2	5903.48	1.6939	0.0400	0.0	0.0	0.0	0.0	1.03E-10	1.20E-09
5	2	46	47	8487.11	1	5903.77	1.6938	0.0400	0.0	0.0	1.31E-08	2.785-07	1.60E-06	4.82E-06
5	2	30	31	5952.17	2	5904.05	1.6938	0,0400	0.0	0.0	5.88E-09	4.52E-08	1.41E-07	2.84E-07
7	4	25	26	9711.93	1	5904.61	1.6936	0.0400	0.0	0.0	4.63E-09	1.60E-07	1.24E-06	4.54E-06
9	6	58	57	18405.41	1	5904.66	1.6936	0.0400	0.0	0.0	0.0	0.0	4.06E-09	5.98E-08
8	5	11	12	10738.28	1	5905.24	1.6934	0.0542	0.0	0.0	7.88E-10	4.11E-08	4.06E-07	1.76E-06
9	6	9	8	12594.50	1	5905.92	1.6932	0.0550	0.0	0.0	_0.0_	6.36E-09	9.80E-08_	_ 5.71E-07
6	3	36	37	8967.61	1	5906,22	1.6931	0.0400	0.0	0.0	1.08E-08	2.78E-07	1.79E-06	5.85E-06
6	3	17	18	6823,48	2	5906.25	1.6931	0.0482	0.0	0.0	2.02E-09	2.20E-08	8.49E-08	1.96E-07
7	4	0	1	8236.14	2	5906.78	1.6930	0.0769	0.0	0.0	0.0	4.77E-10	2.58E-09	7.47E-09
6	3	87	86	19282.05	2	5906.79	1.6930	0.0400	0.0	0.0	0.0	0.0	0.0	1.47E-10
7	4	70	69	16662.99	2	5907.23	1.6928	0.0400	0.0	0.0	0.0	0.0	1.27E-10	1.41E-09
9	6	57	56	18202.77	1	5907.34	1.6928	0.0400	0.0	0.0	0.0	_0.0	4-80E-09	_6.85E-08
8	5	78	77	21251.42	1	5907.83	1.6927	0.0400	0.0	0.0	0.0	0.0	3.00E-10	6.97E-09
7	4	92	91	23492.04	1	5907.86	1.6927	0.0400	0.0	0.0	0.0	0.0	0.0	9.84E-10
4	1	40	41	5216.33	2	5908.23	1.6926	0.0400	0.0	2.14E-10	8.94E-09	5.12E-08	1.346-07	2.40E-07
9	6	10	9	12627.20	1	5908.50	1.6925	0.0547	0.0	0.0	0.0	6.87E-09	1.07E-07	6.24E-07
З.	0	62	63	7651.67	1	5909.26	1.6923	0.0400	0.0	0.0	5.29E-09	8.05E-08	3.795-07	1.00E-06
4	1	54	55	7952.49	1	5909.80	1.6921	0.0400	0.0	0.0	1.28E-08	2.19E-07	1.11E-06.	
9	6	56	55	18003.52	1	5909.92	1.6921	0.0400	0.0	0.0	0.0	1.00E-10	5.65E-09	7.81E-08
6	3	103	102	25316.52	1	5910.04	1.6920	0.0400	0.0	0.0	0.0	0.0	0.0	1.69E-10
8	5	10	11	10694.28	ï	5910.06	1.6920	0.0545	0.0	0.0	7.82E-10	4.01E-08	3.92E-07	1.68E-06
5	2	29	30	5840.91	2	5910.54	1.6919	0.0400	0.0	0.0	6.85E-09	5.04E-08	1.53E-07	3.03E-07
7	4	69	68	16425.77	2	5910.86	1.6918	0.0400	0.0	0.0	0.0	0.0	1.55E-10	1.66E-09
7	4	24	25	9616.03	1	5910.89	1.6918	0.0400	0.0	0.0	5.24E-09	1.755-07	1.32E-06	4.76E-06
9	6	11	10	12663.53	1	5910.97	1.6918	0.0545	0.0	0.0	0.0	7.31E-09	1.15E-07	6.74E-07
3	ō	49	50	4650.41	2	5911.08	1.6917	0.0400	0.0	2.24E-10	5.96E-09	2.72E-08	6.23E~08	1.02E-07
6	3	16	17	6759.20	2	5911.48	1.6916	0.0493	0.0	0.0	2.14E-09	2.27E-08	8.62E-08	1.97E-07
5	2	45	46	8312.24	1	5912.21	1.6914	0.0400	0.0	0.0	1.71E-08	3.38E-07	1 -86E-06	5.47E-06
6	3	86	85	18988.68	2	5912.24	1.6914	0.0400	0.0	0.0	0.0	0.0	0.0	1.82E-10
9	6	55	54	17807.68	ī	5912.38	1.6914	0.0400	0.0	0.0	0.0	1.236~10	6.63E-09	8.89E-08
á	5	77	76	20980.08	1	5912.77	1.6913	0.0400	0.0	0.0	0.0	0.0	3.806-10	8.45E-09
9	6	12	11	12703.48	ī	5913.34	1.6911	0.0542	0.0	0.0	0.0	7.695-09	1.22E-07	7.20E-07
6	3	35	36	8830.47	î	5913.64	1.6910	0.0400	0.0	0.0	1.325-08	3.21E-07	2.01E-06	6.40E-06
7	4	1	ō	8232.59	2	5913.77	1.6910	0.0769	0.0	0.0	0.0	4.89E-10	2.64E-09	7.65E-09
7	4	68	67	16191.77	2	5914.40	1.6908	0.0400	0.0	0.0	0.0	0.0	1.88E-10	1.94E-09
7	4	91	90	23173.46	1	5914.41	1.6908	0.0400	0.0	0.0	0.0	0.0	0.0	1.236-09
ġ	6		- 53	17615.26	i	5914.72	1.6907	0.0400	0.0	0.0	0.0	1.516-10	7.76E-09	1.01E-07
á	5	9	10	10653.94	i	5914.77	1.6907	0.0547	0.0	0.0	7.65E-10	3.86E-08	3.74E-07	1.59E-06
	J	•		- 30004 34	•	~317817	40000	3 * 4 2 7 7	J # U	3.0		34000-00	30146-01	1 +345-00

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	, Hålf Width	*** ***	** INTEGRATI	ED ** ABSORS		FFICIENT *:	*****
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
9	6	13	12	12747.07	1	5915.60	1.6904	0.0540	0.0	0.0	0.0	7.99E-09	1.28E-07	7.625-07
4	1	39	40	5068.50	2	5915.68	1.6904	0.0400	0.0	3.00E-10	1.11E-08	6.02E-08	1.525-07	2.66E-07
6	3	15	16	6698.49	2	5916.61	1.6902	0.0505	0.0	0.0	2.245-09	2.32E-08	8.68E-08	1.97E-07
5	2	28	29	5733.20	2	5916.94	1.6901	0.0400	0.0	1.26E-10	7.96E-09	5.61E-08	1.66E-07	3.236-07
9	6	53	52	17426.27	1	5916.96	1.6901	0.0400	0.0	0.0	0.0	1-84E-10	9.03F-09	1.146-07
7	4	23	24	9523.78	1	5917.06	1.6900	0.0412	0.0	0.0	5.89E-09	1.89E-07	1.40E-06	4.98E-06
7	4	2	ı	8236.14	2	5917.12	1.6900	0.0738	0.0	0.0	0.0	9.86E-10	5.33E-09	1.54E-08
6	3	85	84	18698.40	2	5917.58	1.6899	0.0400	0.0	0.0	0.0	0.0	0.0	2.25E-10
8	5	76	75	20711.97	1	5917.60	1.6899	0.0400	0.0	0.0	0.0	0.0	4.796-10	1.02E-08
9	6	14	13	12794.27	1	5917.75	1.6898	0.0528	0.0	0.0	0.0	8.21F-09	1.33E-07	7.98E-07
7	4	67	66	15961.02		5917.82	1.6898	0.0400	0.0	0.0	0.0	0+0	2.28E-10	2.27E-09
6	3		101	24961.22	1	5917.86	1.6898	0.0400	0.0	0.0	0.0	0.0	0.0	2.196-10
4		53	54	7747.04	1	5919.06	1.6895	0.0400	0.0	0.0	1.765-08	2.785-07	1.34E-06	3.60E-06
9	6	52	51	17240.70	1	5919:08	1.6895	0.0400	0.0	0.0	0.0	2.23E-10	1.056-08	1.28E-07
3	0	61	62	7415.60	1	5919.33	1.6894	0.0400	0.0	0.0	7.64E-09	1.06E-07	4.70E-07	1-20E-06
8		8	9	10617.26	1	5919.38	1.6894	0.0550	0.0	0.0	7.37E-10	3.66E-08	3.51E-07	1.49E-06
3		48	49	4469.43	2	5919.40	1.6894	0.0400	0.0	3.42E-10	7.87F-09	3.34E-08	7.33E-08	1.16E-07
9		15	14	12845.10	1	5919.80	1.6892	0.0517	0.0	0.0	0.0	8.37F-09	1.37E-07	8.30E-07
7		3	2	8243.23	2	5920.37	1.6891	0.0707	0.0	0.0	0.0	1 4 BE-09	8.04E-09	2.33E-08
5	2	44	45	8140.98	1	5920.55	1.6890	0.0400	0.0	0.0	2.21E-08	4.09E-07	2.17E-06	6.19E~06
7		90	89	22857.99	ī	5920.84	1.6889	0.0400	0.0	0.0	0.0	0.0	0.0	1.54E-09
6		34	35	8696.97	1	5920.96	1.6889	0.0400	0.0	0.0	1.60E-08	3.69E-07	2.23E-06	6.97E-06
9		51	50	17058.57	1	5921.09	1.6889	0.0400	0.0	0.0	0.0	2.70E-10	1.21E-08	1.44E-07
7		66	65	15733.51	2	5921.14	1.6889	0.0400	0.0	0.0	0.0	0.0	2.766-10	2.65E-09
6		14	15	6641.34	2	5921.64	1.6887	0.0517	0.0	0.0	S*35E-09	2.35F-08	8.68E-08	1.95E-07
9		16	15	12899.54	ī	5921.74	1.6887	0.0505	0.0	0.0	0.0	8.45E-09	1.40E-07	8.56E-07
8	-	75	74	20447.11	î	5922.31	1.6885	0.0400	0.0	0.0	0.0	0.0	6.02E-10	
6		84	83	18411.21	2	5922.81	1.6884	0.0400	0.0	0.0	0.0			1.23E-08
9		50	49	16879.89	1	5922.99	1.6883	0.0400	0.0	0.0	0.0	0.0	0.0 1.40E-08	2.76E-10 1.61E-07
4		38	39	4924.21	2	5923.05	1.6883	0.0400	0.0	4.17E-10	1.385-08	3.24E-10		
7		22	23	9435.20	ī	5923.14	1.6883	0.0423				7.03E-08	1.72E-07	2.93E-07
5		27	28	5629.04	ż	5923.24	1.6883	0.0400	0.0	0.0 1.58E-10	6.57E-09	2.04E-07	1 - 47E-06	5.17E-06
7		- 4	3	8253.86	2	5923.52	1.6882	0.0676	0.0	0.0	9.18E-09 1.03E-10	6.205-08	1.80E-07	3.436-07
9		17	16	12957.61	1	5923.58	1.6882	0.0493				1.985-09	1.07E-08	3.12E-08
á	_	7	. 8	10584.25	ì	5923.88	1.6881	0.0574	0.0	0.0	0.0	8.45E-09	1.42E-07	8.77E-07
7		65	64	15509.25	2	5924.35	1.6879	0.0400	0.0	0.0	6.96E-10	3.42F-08	3.25F-07	1.37E-06
ģ	6	49	48	16704.66	1	5924.77	1.6878	0.0400	0.0	0.0	0.0	0.0	3.32E-10	3.0BE-09
9		18	17	13019.29	1	5925.30	1.6877	0.0482	0.0	0.0	0.0	3.88E-10	1.60E-08	1.80E-07
6	-	101	100	24608.89	î				0.0	0.0	0.0	8.40E-09	1.43E-07	A.93E-07
9		48	47	16532.89	1	5925.57	1.6876	0.0400	0.0	0.0	0.0	0.0	0.0	2.84E-10
6		13	14	6587.74		5926.44 5926.57	1.6874 1.6873	0.0400	0.0	0.0	0.0	4.62E-10	1.83E-08	2.00E-07
7		5	4	8268.04	2			0.0528	0.0	0.0	2.38E-09	2.36E-08	8.61E-08	1.92E-07
		74				5926.58	1.6873	0.0645	0.0	0.0	1.27E-10	2.46E-09	1.34E-08	3.90E-08
8			73	20185.51	1	5926.91	1.6872	0.0400	0.0	0.0	0.0	0.0	7.54E10	1.48E-08
9		19	16	13084.58	1	5926.92	1.6872	0.0470	0.0	0.0	0.0	8.286-09	1.43E-07	9.04E-07
7		89	88	22545.62	1	5927.15	1.6872	0.0400	0.0	0.0	0.0	0.0	0.0	1.94E-09
7		64	63	15288.27	2	5927.45	1.6871	0.0400	0.0	0.0	0.0	0.0	3.98E-10	3.56E-09
3		47	48	4291.95	2	5927.62	1.6870	0.0400	0.0	5.17E-10	1.03E-08	4.09E-08	8.59E-08	1.32E-07
6		83	82	18127.12	2	5927.93	1.6869	0.0400	0.0	0.0	0.0	0.0	0.0	3.39E-10
9		47	46	16364.60	1	5928.01	1.6869	0.0400	0.0	0.0	0.0	5.47E-10	2.08E-08	2.22E-07
6		33	34	8567-12	1	5928.18	1.6869	0.0400	0.0	0.0	1.92F-08	4.22E-07	2.47E-06	7.57F-06
4		52	53	7545.17	1	5928.22	1.6868	0.0400	0.0	0.0	2.415-08	3.51E-07	1.61E-06	4.18E-06
8		6.	7	10554.90	1	5928.28	1.6868	0.0597	0.0	0.0	6.44E-10	3.12E-08	2.95E-07	1-245-06
9	6	20	19	13153.48	1	5928.43	1.6868	0.0458	0.0	0.0	0.0	8.105-09	1.43E-07	9.095-07

VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	*** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
5	2	43	44	7973.35	1	5928.80	1.6867	0.0400	0.0	0.0	2.85E-08	4.93E-07	2.51E-06	6,98E=06
7	4	21	22	9350.27	ī	5929.12	1.6866	0.0435	0.0	0.0	7.27E-09	2.18E-07	1.54E-06	5.358-06
3	o	60	61	7183.08	1	5929.30	1.6865	0.0400	0.0	0.0	1.10E-08		5.825-07	1.43E-06.
5	2	26	27	5528.43	2	5929.45	1.6865	0.0400	0.0	1.96E-10	1.05E-08	6.825-08	1.93E-07	3.62E-07
9	6	46	45	16199.77	1	5929.46	1.6865	0.0400	0.0	0.0	0.0	6.46E-10	2.36E-08	2.45E-07
7	4	6	5	8285.77	2	5929.53	1.6865	0.0621	0.0	0.0	1.50E-10	2.93E-09	1.60E-08	4.67E-08
9	6	21	20	13225.99	1	5929.83	1.6864	0.0447	0.0	0.0	0.0	7.87F-09	1.41E-07	9.09E-07
4	1	37	38	4783.45	2	5930.32	1.6862	0.0400	0.0	5.73E-10	1.70E-08	8.17E-08	1.93E-07	3.22E-07
7	4	63	62	15070.55	2	5930.45	1.6862	0.0400	0.0	0.0	0.0	0.0	4.76E-10	4-11E-09
9	6	45	44	16038.43	1	5930.79	1.6861	0.0400	0.0	0.0	0.0	7.58E-10	2.67E-08	2.69E-07
9	6	22	21	13302.10	1	5931.13	1.6860	0.0435	0.0	0.0	0.0	7.60E-09	1.39E-07	9.05E-07
8	5	73	72	19927.18	ī	5931.39	1.6859	0.0400	0.0	0.0	0.0	0.0	9.426-10	1.775-08
6	3	12	13	6537.71	ž	5931.42	1.6859	0.0540	0.0	0.0	2.42E-09	2.355-08	8.47E-08	1.87E-07
9	6	44	43	15880.58	ī	5932.02	1.6858	0.0400	0.0	0.0	0.0	8.85E-10	3.00E-08	2.95E-07
9	6	23	22	13381.82	1	5932.31	1.6857	0.0423	0.0	0.0	0.0	7.29E-09	1.36E-07	8.96E-07
7	4	7	6	8307.03	2	5932.39	1.6857	0.0597	0.0	0.0	1.71E-10	3.37E-09	1 . 85E-08	5.42E-08
8	5	5	6	10529.21	ī	5932.58	1.6856	0.0621	0.0	0.0	5.80E-10	2.78E-08	2.62E-07	1.09E-06
6	3	82	81	17846.16	2	5932.94	1.6855	0.0400	0.0	0.0	0.0	0.0	0.0	4.14E-10
9	6	43	42	15726.23	1	5933.14	1.6854	0.0400	0.0	0.0	0.0	1.03E-09	3.36E-08	3.23E-07
6	3	100	99	24259.57	1	5933.15	1.6854	0.0400	0.0	0.0	0.0	0.0	0.0	3.66E-10
7	4	62	61	14856.11	2	5933.34	1.6854	0.0400	0.0	0.0	0.0	0.0.	5.67E-10	4.73E-09
7	4	88	87	22236.39	1	5933.35	1.6854	0.0400	0.0	0.0	0.0	0.0	0.0	2.43E-09
9	6	24	23	13465.12	1	5933.39	1.6854	0.0412	0.0	0.0	0.0	6.95E-09	1.325-07	8.83E-07
9	6	42	41	15575.37	1	5934.14	1.6852	0.0400	0.0	0.0	0.0	1.19E-09	3.75E-08	3.52E-07
9	6	25	24	13552.03	1	5934.36	1.6851	0.0400	0.0	0.0	0.0	6.58E-09	1.28E-07	8.66E-07
7	4	20	21	9269.02	ī	5934.99	1.6849	0.0447	0.0	0.0	7.98E-09	2.32E-07	1.61E-06	5.50E-06
9	6	41	40	15428.02	1	5935.03	1.6849	0.0400	0.0	0.0	0.0	1.37E-09	4.17E-08	3.82E-07
7	4	8	7	6331+84	2	5935.14	1.6849	0.0574	0.0	0.0	1.90E-10	3.78E-09	2.09E-08	6.15E-08
9	6	26	25	13642.53	1	5935.23	1.6849	0.0400	0.0	0.0	0.0	6.20E-09	1.23E-07	8.46E-07
6	3	32	33	8440.93	1	5935.30	1.6848	0.0400	0.0	0.0	2.30E-08	4.80E-07	2.73E-06	8.18E-06
5	2	25	26	5431.39	2	5935.56	1.6848	0.0400	0.0	2.415-10	1.20E-08	7.465-08	2.06E-07	3.81E-07
3	0	46	47	4117.99	Ž	5935.76	1.6847	0.0400	0.0	7.75E-10	1.35E-08	4.98E-08	1.00E-07	1.50E-07
8	5	72	71	19672.14	1	5935.76	1.6847	0.0400	0.0	0.0	0.0	0.0	1.17E-09	2.11E-08
9	6	40	39	15284.19	1	5935.82	1.6847	0.0400	0.0	0.0	0.0	1.57E-09	4.61E-08	4.13E-07
9	6	27	26	13736.61	1	5935.98	1.6846	0.0400	0.0	0.0	0.0	5.80E-09	1.18E-07	8.22E-07
7	4	61	60	14644.96	2	5936.13	1.6846	0.0400	0.0	0.0	0.0	0.0	6.73E-10	5.43E-09
6	3	11	12	6491.25	2	5936.16	1.6846	0.0542	0.0	0.0	2.43F-09	2.32E-08	8.25E-08	1.81E-07
9	6	39	38	15143.88	1	5936.49	1.6845	0.0400	0.0	0.0	0.0	1.796-09	5.08E-08	4.45E-07
9	6	28	27	13834.28	1	5936.62	1.6845	0.0400	0.0	0.0	0.0	5.40E-09	1.12E-07	7.96E-07
8	5	4	5	10507.20	1	5936.77	1.6844	0.0645	0.0	0.0	5.05E-10	2.40E-08	2.24E-07	9.36E-07
5	2	42	43	7809.34	1	5936.95	1.6844	0.0400	0.0	1.10E-10	3.65E-08	5.91E-07	2.89E-06	7.84E-06
9	6	38	37	15007.09	1	5937.05	1.6843	0.0400	0.0	0.0	0.0	2.03E-09	5.58E-08	4.78E-07
9	6	29	28	13935.53	1	5937.16	1.6843	0.0400	0.0	0.0	0.0	5.00E-09	1 . 06E-07	7.67E-07
4	1	51	52	7346.91	1	5937.28	1.6843	0.0400	0.0	1.42E-10	3.27E-08	4.41E-07	1.93E-06	4.85E-06
9	6	37	36	14873.83	1	5937.50	1.6842	0.0400	0.0	0.0	0.0	2.29F-09	6-10E-08	5.11E-07
4	1	36	37	4645.24	2	5937.50	1.6842	0.0400	0.0	7.82F-10	2.07E-08	9.45E-08	2.16E-07	3.53E-07
9	6	30	29	14040.35	1	5937.58	1.6842	0.0400	0.0	0.0	0.0	4-60E-09	1.005-07	7.36E-07
7	4	9	8	8360.19	2	5937.80	1.6841	0.0550	0.0	0.0	2.06E-10	4.16E-09	2.325-08	6.84E-08
9	6	36	35	14744.11	ī	5937.84	1.6841	0.0400	0.0	0.0	0.0	2.57E-09	6.63E-08	5.45E-07
6	3	81	80	17568.32	2	5937.84	1.6841	0.0400	0.0	0.0	0.0	0.0	0.0	5.05E-10
9	6	31	30	14148.75	1	5937.90	1.6841	0.0400	0.0	0.0	0.0	4.236-09	9.475-08	7.07E-07
9	6	35	34	14617.93	1	5938.08	1.6840	0.0400	0.0	0.0	0.0	2.87E-09	7.19E-08	5.78E-07
9	6	32	31	14260.70		5938.11	1.6840	0.0400	0.0	1.0.0	0.0	3.87E-09	8.90E-08	6.76E-07
-	-				-		3 400 70		3.0	J • U			J# 9VL VU	0410E-01

VÜ	٧L	Jυ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH		*** INTEGRATE	CM-2*/	\TM~1		
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
9	6	34	33	14495.30	1	5938.20	1.6840	0.0400	0.0	0.0	0.0	3.19F-09	7.75E-08	6.12E-07
9	6	33	32	14376.23	1	5938.21	1.6840	0.0400	0.0	0.0	0.0	3.52E-09	8.33E-08	6.45E-07
7	4	60	59	14437.11	2	5938.80	1.6838	0.0400	0.0	0.0	0.0	0.0	7.96F-10	6.21E-09
3	0	59	60	6954.12	1	5939•17	1.6837	0.0400	0.0	0.0	1.56E-08	1.80E-07	7.17E-07	1.69E-06
7	4	87	86	21930.29	1	5939.43	1.6837	0.0400	0.0	0.0	0.0	0.0	1.176-10	3.04E-09
8	5	71	70	19420.38	1	5940.01	1.6835	0.0400	0.0	0.0	0.0	0.0	1.455-09	2.52E-08
7	4	10	9	8392.08	2	5940.36	1.6834	0.0547	0.0	0.0	2.20E-10	4.49E-09	2.52E-08	7.49E-08
6	3	99	98	` 23913.24	1	5940.62	1.6833	0.0400	0.0	0.0	0.0	0.0	0.0	4.71E-10
7	4	19	20	9191.44	1	5940.76	1.6833	0.0458	0.0	0.0	8.69E-09	2.44E-07	1.67E-06	5.63E-06
6	3	10	11	6448.35		5940.81	1.6833	0.0545	0.0	0.0	2.41E-09	2.26E-08	7.95E-08	1.73E-07
8	5	3	4	10488.85	` ı	5940.86	1.6833	0.0676	0.0	0.0	4.19E-10	1.98E-08	1.84E-07	7.66E-07
7	4	59	58	14232.57	2	5941.38	1.6831	0.0400	0.0	0.0	0.0	0.0	9+43E-10	7.125-09
5	2	24	25	5337.91	2	5941.58	1.6831	0.0400	0.0	2.93E-10	1.35E-08	8.11E-08	2.19E-07	3.99E-07
6	3	31	32	8318.38	1	5942.32	1.6828	0.0400	0.0	0.0	2.74E-08	5.43E-07	3.00E-06	8.82E-06
6	3	80	79	17293.62	2	5942.64	1.6828	0.0400	0.0	0.0	0.0	0.0	0.0	6.15E-10
7	4	11	10	8427.51	2	5942.82	1.6827	0.0545	0.0	0.0	2.32E-10	4.79E-09	2.71E-08	8.10E-08
3	0	45	46	3947.55	2	5943.80	1.6824	0.0400	0.0	1.15E-09	1.75E-08	6.03F-08	1.175-07	1.70E-07
7	4	58	57	14031.34	2	5943.84	1.6824	0.0400	0.0	0.0	0.0	0.0	1.11E-09	8.14E-09
8	5	70	69	19171.93	1	5944.14	1.6823	0.0400	0.0	0.0	0.0	0.0	1.79E-09	2.99E-08
4	1	35	36	4512.58	2	5944.59	1.6822	0.0400	0.0	1.06E-09	2.52F-08	1.09F-07	2.41E-07	3-85E-07
8	5	2	3	10474.17	1	5944.84	1.6821	0.0707	0.0	0.0	3.25E-10	1.53E-08	1.41E-07	5.87E-07
5	2	41	42	7648.97	1	5944.99	1.6821	0.0400	0.0	1.59E-10	4.65E-08	7.06E-07	3.32E-06	8.77E-06
7	4	12	11	8466.48	2	5945.18	1.6820	0.0542	0.0	0.0	2.40E-10	5.04E-09	2.88E-08	8.66E-08
6	3	9	10	6409.02	2	5945.36	1.6820	0.0547	0.0	0.0	2.35E-09	2.17E-08	7.58E-08	1.64E-07
7	4	86	85	21627.34	1	5945.39	1.6820	0.0400	0.0	0.0	0.0	0.0	1.54E-10	3.79E-09
7	4	57	56	13833.44	2	5946.21	1.6817	0.0400	0.0	0.0	0.0	0.0	1.31F-09	9.29E-09
4	1	50	51	7152.25	1	5946.25	1.6817	0.0400	0.0	2.25E-10	4.42E-08	5.50E-07	2.305-06	5.61E-06 '
7	4	18	19	9117.53	1	5946.43	1.6817	0.0470	0.0	0.0	9.39E-09	2.56E-07	1.72E-06	5.73E-06
6	3	79	78	17022.07	2	5947.33	1.6814	0.0400	0.0	0.0	0.0	0.0	0.0	7.46E-10
7	4	13	12	8508.98	2	5947.44	1.6814	0.0540	0.0	0.0	2.46E-10	5.25E-09	3.03E-08	9.17E-08
5	2	23	24	5247.99	2	5947.51	1.6814	0.0412	0.0	3.53E-10	1.51E-08	8.77E-08	2.32E-07	4-16E-07
6	3	98	97	23569.94	1	5947.97	1.6812	0.0400	0.0	0.0	0.0	0.0	0.0	6.05E-10
8	5	69	68	18926.79	1	5948.17	1.6812	0.0400	0.0	0.0	0.0	0.0	2.21E-09	3.54E-08
7	4	56	55	13638.86	2	5948.46	1.6811	0.0400	0.0	0.0	0.0	0.0	1.54E-09	1.06E-08
8	5	1	2	10463.16	1	5948.72	1.6810	0.0738	0.0	0.0	2.22E-10	1.04E-08	9.60E-08	3.98E-07
3	0	58	59	6728.75	1	5948.94	1.6810	0.0400	0.0	1.59E-10	2.235-08	2.34E-07	8.83E-07	2.01E-06
6	3	30	31	8199.50	' 1	5949.24	1.6809	0.0400	0.0	0.0	3.23E-08	6.11E-07	3.28E-06	9.46E-06
7	4	14	13	8555.02	2	5949.60	1.6808	0.0528	0.0	0.0	2.49E-10	5.41E-09	3.16E-08	9.635-08
6	3	8	9	6373.27	2	5949.61	1.6807	0.0550	0.0	0.0	2.26E-09	2.06E-08	7.12E-08	t.53E-07
5	2	93	92	19200:73	2	5950.09	1.6806	0.0400	0.0	0.0	0.0	0.0	0.0	8.91F-11
7	4	55	54	13447.62	2	5950.61	1.6805	0.0400	0.0	0.0	0.0	0.0	1.79E-09	1.20F-08
7	4	85	8.4	21327.55	1	5951.23	1.6803	0.0400	0.0	0.0	0.0	0.0	2.00E-10	4.71E-09
5	2	108	107	25248.79	1	5951.54	1.6802	0.0400	0.0	0.0	0.0	0.0	0.0	9.77E-11
4	1	34	35	4382.47	2	5951.58	1.6802	0.0400	0.0	1.41E-09	3.03E-08	1.25E-07	2.68E-07	4.18E-07
7	4	15	14	8604.60	2	5951.66	1.6802	0.0517	0.0	0.0	2.49F-10	5.52E-09	3.26F-08	1.00E-07
3	0	44	45	3780.65	2	5951.76	1.6802	0.0400	0.0	1.70E-09	2.25E-08	7.26E-08	1.35E-07	1.92E-07
6	3	78	77	16753.69	2	5951.90	1.6801	0.0400	0.0	0.0	0.0	0.0	0.0	9.02E-10
7	4	17	18	9047.30	1	5952.00	1.6801	0.0482	0.0	0.0	1.00F-08	2.67E-07	1.765-06	5-80E-06
8	5	68	67	18684.96	1	5952.07	1.6801	0.0400	0.0	0.0	0.0	0.0	2.71F-09	4.17E-08
8	5	0	1	10455.82	1	5952.49	1.6800	0.0769	0.0	0.0	1.13F-10	5.28E-09	4.88F-08	2.02E-07
7	4	54	53	13259.72	2	5952.66	1.6799	0.0400	0.0	0.0	0.0	1.16E-10	2.09E-09	1.35E-08
5	2	40	41	7492.24	. 1	5952.94	1.6798	0.0400	0.0	2.27E-10	5.87E-08	8.38E-07	3.80F-06	9.79E-06
5	2	22	23	5161.65	2	5953.34	1.6797	0.0423	0.0	4.20E-10	1.69E-08	9.42E-08	2.44E-07	4.32E-07

νù	٧L	UL	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	*****	** INTEGRATI	ED ** ABSOR		FFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	$\tau = 600$	T = 900	T = 1200	T = 1500	T = 1800
														•
7	4	16	15	8657.70		5953.62	1.6797	0.0505	0.0	0.0	2.46E-10	5.58E-09	3.34E-08	1.04E-07
6	3	7	8	6341.08	2	5954.17	1.6795	0.0574	0.0	0.0	2 • 14E-09	1.92E-08	6.59E-08	1.41E-07
7	4	53	52	13075.18	2	5954.60	1.6794	0.0400	0.0	0.0	0.0	1.40E-10	2.42E-09	1.52E-08
4	1	49	50	6961.20	1	5955.12	1.6792	0.0400	0.0	3.51E-10	5.93F-08	6.85F-07	2.73E-06	6.47E-06
6	3	97	96	23229.68	1	5955.20	1.6792	0.0400	0.0	0.0	0.0	0.0	0.0	7.74E-10
7	4	17	16	8714.33	2	5955.48	1.6791	0.0493	0.0	0.0	2.42E-10	5.60E-09	3.40E-08	1.06E-07
8	5	67	66	18446.48	1	5955.86	1.6790	0.0400	0.0	0.0	0.0	0.0	3.31E-09.	4.91E~08
6	3	29	30	8084.29	1	5956.06	1.6790	0.0400	0.0	0.0	3.78E-08	6.83E-07	3.57E-06	1.01E-05
5	2	92	91	18886.10		5956.17	1.6789	0.0400	0.0	0.0	0.0	0.0	0.0	1.11E-10
6	3	77	76	16488.47	2	5956.37	1.6789	0.0400	0.0	0.0	0.0	0.0	1.00E-10	1.09E-09
7	4	52	51	12893.99	2	5956.43	1.6789	0.0400	0.0	0.0	0.0	1.69E-10	2.80E-09	1.71E-08
7	4	84	83	21030.94	1	5956.96	1.6787	0.0400	0.0	0.0	0.0	0.0	2.616-10	5.84E-09
7	4	18	17	6774.49	2	5957.24	1.6786	0.0482	0.0	0.0	2.35E-10	5.57F-09	3.43E-08	1.08E-07
7	4	16	17	8980.75	1	5957.47	1.6786	0.0493	0.0	0.0	1.07E-08	2.76E-07	1.79E-06	5.83E-06
7	4	51	50	12716.17	2	5958.16	1.6784	0.0400	0.0	0.0	0.0	2.03E-10	3.22E-09	1.91E-08
6	3	6	7	6312.47	2	5958.43	1.6783	0.0597	0.0	0.0	1.97E-09	1.758-08	5.98E-08	1.27E-07
4	1	33	34	4255.91	2	5958.48	1.6783	0.0400	0.0	1.87E-09	3.64E-08	1.42E-07	2.96E-07	4.53E-07
3	0	57	58	6506.95	1	5958.62	1.6782	0.0400	0.0	2.68E-10	3.15E-08	3.03E-07	1.08E-06	2.395-06
7	4	19	18	8836.17	2	5958.90	1.6782	0.0470	0.0	0.0	2.26E-10	5.51E-09	3.44E-08	1.10E-07 4.46E-07
5	2	21	22	5078.88	2	5959.07	1.6781	0.0435	0.0	4.95E-10	1.85E-08	1.01E-07	2.55F-07	
8	5	66	65	18211.34		5959.54	1.6780	0.0400	0.0	0.0	0.0	0.0	4.03E-09 1.56E-07	5.76E-08 2.16E-07
3	0	43	44	3617.28	2	5959.62	1.6780	0.0400	0.0	2.47E-09	2.88E-08	8.71E-08 5.42E-09	4.995-08	2.06E-07
8	5	1	0	10452.15	1	5959.73	1.6779	0.0769	0.0	0.0	1.16E-10 0.0	2.43E-10	3.69E-09	2.13E-08
7	4	50	49	12541.73	2	5959.79	1.6779	0.0400	0.0	0.0	0.0	0.0	0.0	1.29E-10
5	2	107		24875.10	1	5959.93	1.6779	0.0400 0.0458	0.0	0.0	2.16E-10	5.40E-09	3.435-08	1.11E-07
7	4	20 76	19 75	8905.38 16226.44	2	5960.46 5960.73	1.6777 1.6776	0.0400	0.0 0.0	0.0	0.0	0.0	1.26E-10	1.31E-09
6 5	2	39	40	7339.16		5960.80	1.6776	0.0400	0.0	3.23E~10	7.385-08	9.90E-07	4.33E-06	1.09E-05
7	4	49	48	12370.66	2	5961.31	1.6775	0.0400	0.0	0.0	0.0	2.89E-10	4.22E-09	2.37E-08
7	4	21	20	8976.10	2	5961.92	1.6773	0.0447	0.0	0.0	2.04E-10	5.26E-09	3.40E-08	1.11E-07
5	2	91	90	18574.52		5962.14	1.6773	0.0400	0.0	0.0	0.0	0.0	0.0	1.39E-10
6	3	96	95	22892.46		5962.31	1.6772	0.0400	0.0	0.0	0.0	0.0	0.0	9.88E-10
7	4	83	82	20737.52		5962.57	1.6771	0.0400	0.0	0.0	0.0	0.0	3.37E-10	7.225-09
6	3	5	6	6287.43		5962.60	1.6771	0.0621	0.0	0.0	1.785-09	1.56E-08	5.30E-08	1.12E-07
7	4	48	47	12202.98		5962.72	1.6771	0.0400	0.0	0.0	0.0	3.43E-10	4.80E-09	2.62E-08
. 6	3	28	29	7972.75	i	5962.78	1.6771	0.0400	0.0	1.16E-10	4.42E-08	7.63E-07	3.88E-06	1.08E-05
7	4	15	16	8917.88	i	5962.83	1.6771	0.0505	0.0	0.0	1.12E-08	2.82E-07	1.80E-06	5.83E-06
8	5	65	64	17979.55		5963.10	16770	0.0400	0.0	0.0	0.0	0.0	4.88E-09	6.73E-08
8	5	2	1	10455.82		5963.19	1.6770	0.0738	0.0	0.0	2.34E-10	1.09E-08	1.01E-07	4.17E-07
7	4	22	21	9050.34		5963.27	1.6769	0.0435	0.0	0.0	1.925-10	5.10F-09	3.35E-08	1.11E-07
4	1	48	49	6773.78		5963.89	1.6768	0.0400	0.0	5.44F-10	7.92E-08	8.47E-07	3.23E-06	7.43E-06
7	4	47	46	12038.69		5964.04	1.6767	0.0400	0.0	0.0	0.0	4.04E-10	5.44E-09	2.89E-08
7	4	23	22	9128.10	2	5964.53	1.6766	0.0423	0.0	0.0	1.795-10	4.90F-09	3.28E-08	1.10E-07
5	2	20	21	4999.68	2	5964.71	1.6765	0.0447	0.0	5.78E-10	2.03E-08	1.076-07	2.665-07	4.59E-07
6	3	75	74	15967.60	2	5964.99	1.6764	0.0400	0.0	0.0	0.0	0.0	1.57E-10	1.57E-09
7	4	46	45	11877.80	2	5965.24	1.6764	0.0400	0.0	0.0	0.0	4.74E-10	6.14E-09	3.19E-08
4	1	32	33	4132.93	2	5965.28	1.6764	0.0400	0.0	2.46E-09	4.33E-08	1.61E-07	3.25E-07	4.89E-07
7	4	24	23	9209.37	2	5965.68	1.6763	0.0412	0.0	0.0	1.66E-10	4.68F-09	3.20E-08	1.08E-07
7	4	45	44	11720.32		5966.35	1.6761	0.0400	0.0	0.0	0.0	5.54E-10	6.91E-09	3.49E-08
8	5	64	63	17751.12		5966.55	1.6760	0.0400	0.0	0.0	0.0	1.11E-10	5.90E-09	7.84E-08
8	5	3	2	10463.16	1	5966.55	1.6760	Q.0707	0.0	0.0	3.51E-10	1.64E-08	1.52E-07	6.29E-07
6	3	4	5	6265.97		5966.66	1.6760		0.0	0.0	1.55F-09	1.356-08	4.55E-08	9.61E-08
7	4	25	24	9294.14	2	5966.74	1.6760	0.0400	0.0	0.0	1.52E-10	4.45E-09	3.10E-08	1.06E-07

VU	٧L	JU	JĽ	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR! CM-2*;		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7	4	44	43	11566.25	2	5967.34	1.6758	0.0400	0.0	0.0	0.0	6.44E-10	7.74E-09	3.82E-08
3	0	42	43	3457.45	2	5967.38	1.6758	0.0400	0.0	3.58E-09	3.67F-08	1.04E-07	1.79E-07	2.41E-07
7	4	26	25	9382.42	2	5967.69	1.6757	0.0400	0.0	0.0	1.39E-10	4.20E-09	2.99È-08	1-04E-07
5	2	90	89	18265.99	2	5967.99	1.6756	0.0400	0.0	0.0	0.0	0.0	0.0	1.73E-10
7	4	82	81	20447.30	1	5968.07	1.6756	0.0400	0.0	0.0	0.0	0.0	4.36E-10	8.90F-09
7	4	14	15	8858.70	1	5968.09	1.6756	0.0517	0.0	0.0	1.16E-08	2.876-07	1.80E-06	5.78E-06
5	2	106	105	24504,34	1	5968.20	1.6755	0.0400	0.0	0.0	0.0	0.0	0.0	1.70E-10
3	0	56	57	6288.75	1	5968.21	1.6755	0.0400	0.0	4.49E-10	4.43E-08	3.91E-07	1.33E-06	S-85E-06
7	4	43	42	11415.59	2	5968.24	1.6755	0.0400	0.0	0.0	0.0	7.45E-10	8.64E-09	4.16E-08
7	4	27	26	9474.20	2	5968.54	1 +6755	0.0400	0.0	0.0	1.26E-10	3.95F-09	2 87E-08	1.01E-07
5	2	38	39	7189.73	1	5968.55	1.6754	0.0400	0.0	4.54E-10	9.21E-08	1.16F-06	4.91E-06	1.20E-05
7	4	42	41	11268.36	2	5969.03	1.6753	0.0400	0.0	0.0	0.0	8.58F-10	9.61E-09	4.52E-08
6	3	74	73	15711.97	2	5969.13	1.6753	0.0400	0.0	0.0	0.0	0.0	1.96E-10	1.87E-09
7	4	28	27	9569.48	2	5969.29	1.6752	0.0400	0.0	0.0	1.13E-10	3.68E-09	2.74E-08	9.84E-08
6	3	95	94	22558.31	1	5969.30	1.6752	0.0400	0.0	0.0	0.0	0.0	0.0	1.26E-09
6	3	27	28	7864.89	1	5969.39	1.6752	0.0400	0.0	1.47E-10	5.12E-08	B.48E-07	4.21E-06	
7	4	41	40	11124.55	2	5969.72	1.6751	0.0400	0.0	0.0	0.0	9.84F-10	1.06E-08	1.15F-05
8	5	4	3	10474.17	1	5969.80	1.6751	0.0676 .	0.0	0.0	4.66E-10	2.19E-0B	2.03E-07	4.89E-08 8.42E-07
8	5	63	62	17526.07	1	5969.89	1.6751	0.0400	0.0	0.0	0.0			
7	4	29	28	9668.25	2	5969.94	1.6751	0.0400	0.0	0.0	1.01E-10	1.41E-10	7.11E-09	9.10E-08
5	2	19	20	4924.07	2	5970.25	1.6750	0.0458	0.0	6.66E-10	2.21E-08	3.42E-09	2.61E-08	9.50E-08
7	4	40	39	10984.19	ž	5970.30	1.6750	0.0400	0.0	0.0	0.0	1.125-07	2.75E-07	4.69E-07
7	4	30	29	9770.52	2	5970.48	1.6749	0.0400	0.0	0.0		1.12E-09	1.17F-08	5.27F-08
6	3	3	4	6248.08	2	5970.63	1.6749	0.0676	0.0	0.0	0.0	3.16E-09	2.47E-08	9-14E-08
7	4	39	38	10847.26	2	5970.78	1.6748	0.0400	0.0	0.0	1.28E-09	1.11E-08	3.73E-08	7.87E-08
7	4	31	30	9876.27	2	5970.93	1.6748	0.0400	0.0	0.0	0.0	1.27E-09	1.29E-08	5.66E-08
7	4	38	37	10713.77	2	5971.16	1.6747	0.0400	0.0		0.0	2.925-09	2.34E-08	8.80E-08
7	4	32	31	9985.50	2	5971.27	1.6747	0.0400	0.0	0.0	0.0	1.446-09	1.41E-08	6.06E-08
7	4	37	36	10583.74	2	5971.44	1.6746	0.0400			0.0	2.68E-09	2.20E-08	8-446-08
7	4	33	32	10098.21	2	5971.51	1.6746	0.0400	0.0	0.0	0.0	1.62F-09	1.53F-08	6.47E-08
7	4	36	35	10457-16	2	5971.61	1.6746	0.0400	0.0	0.0	0.0	2.45E-09	2.07F-08	8.07E-08
7	4	34	33	10214.39	2	5971.64	1.6746	0.0400	0.0	0.0	0.0	1.81E-09	1.66E-08	6.87E-08
7	4	35	34	10334.05	2	5971.68			0.0	0.0	0.0	2.22E-09	1.93E-08	7.68E-08
4	1	31	32	4013.51	2	5971.99	1.6746 1.6745	0.0400	0.0	0.0	0.0	2.01E-09	1.80E-08	7.28F-08
4	i	47	48	6589.98	1	5972.56	1.6743	0.0400	0.0	3.20€-09	5.12E-08	1.81E-07	3.56E-07	5.26E-07
8	5	5	4	10488.85	i	5972.94	1.6742	0.0400 0.0645	0.0	8.36E-10	1.05E-07	1.04F-06	3.81E-06	8.50E-06
8	5	62	61	17304.39	i	5973.11	1.6742	0.0400	0.0	0.0	5.76E-10	2.72F-08	2.57E-07	1.05E-06
6	3	73	72	15459.54	â	5973.17	1.6742		0.0	0.0	0.0	1.79E-10	8.52E-09	1.05E-07
7	4	13	14	8803.20	1	5973.25	1.6742	0.0400	0.0	0.0	0.0	0.0	2.47E-10	2.235-09
7	4	61	80	20160.30	1			0.0528	0.0	0.0	1.20E-08	2.89E-07	1.79E-06	5.70E-06
5	2	89	88	17960.53	2	5973.44 5973.74	1.6741	0.0400	0.0	0.0	0.0	0.0	5.61E-10	1.09E-08
6	3	2	3	6233.77	2	5974.50	1.6740	0.0400	0.0	0.0	0.0	0.0	0.0	2•16E-10
3	ō	41	42	3301.17	2		1.6738	0.0707	0.0	0.0	9.94E-10	8.55E-09	2.86E-08	6.02E-08
5	2	18	19			5975.06	1.6736	0.0400	0.0	5.13E-09	4.64E-08	1.245-07	2.05E-07	2.69E-07
6	3	26	27	4852.04	2	5975.70	1.6734	0.0470	0.0	7.60E-10	2.37E-08	1 • 18F-07	2 · 83E-07	4.77E-07
8	5	20 6	5	7760.70	1	5975.91	1.6734	0.0400	0.0	1.84E-10	5.90E-08	9.37E-07	4.53E-06	1.22E-05
6	3	94	93	10507.20	1	5975.98	1.6734	0.0621	0.0	0.0	6.79E-10	3.23F-08	3.02E-07	1.26E-06
5	-			22227.24	1	5976.17	1.6733	0.0400	0.0	0.0	0.0	0.0	0.0	1.60E-09
3 8	2 5	37	38	7043.96	1	5976.20	1.6733	0.0400	0.0	6.32F-10	1.14E-07	1.36F-06	5.54E-06	1.33E-05
8 5	_	61	60	17086-11	1	5976.21	1.6733	0.0400	0.0	0.0	0.0	2.25E-10	1.02F-08	1.22E-07
			104	24136.54	1	5976.35	1.6733	0.0400	0.0	0.0	0.0	0.0	0.0	2.22E-10
6	3	72	71	15210.34	S	5977.10	1.6731	0.0400	0.0	0.0	0.0	0.0	3-01E-10	2.65E-09
3	0	55	56	6074-14	1	5977.70	1.6729	0.0400	0.0	7.45E-10	6.19E-08	5.01E-07	1.62E-06	3.32F-06
•	3	1	2	6223.04	2	5978.28	1.6727	0.0738	0.0	0.0	6.80E-10	5.82E-09	1.94E-08	4.08F-08

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VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATE	ED ** ABSORE		FFICIENT **	******
				ENERGY		CM-1	MICRON	NS.	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
										0.0	1.22F-08	2.88E-07	1.77E-06	5.57E-06
7	4	12	13	8751.40	1 2	5978.30 5978.61	1.6727 1.6726	0.0540	0.0 0.0	4.13E~09	6.01E-08	2.036-07	3.89E-07	5.63E-07
4 7	1	30 80	31 79	3897.66 19876.52		5978.71	1.6726	0.0400	0.0	0.0	0.0	0.0	7.19E-10	1.34E-08
8	5	7	6	10529.21	1	5978.91	1.6725	0.0597	0.0	0.0	7.73E-10	3.71E-08	3.49E-07	1.46E-06
8	5	60	59	16871.22		5979.21	1.6725	0.0400	0.0	0.0	0.0	2.82E-10	1.21E-08	1 -4 0E-07
5	2	88	87	17658.15	2	5979.38	1.6724	0.0400	0.0	0.0	0.0	0.0	0.0	2.69E-10
6	3	71	70	14964.37		5980.92	1.6720	0.0400	0.0	0.0	0.0	0.0	3.70E-10	3.15E-09
5	2	17	18	4783.59	2	5981.06	1.6719	0.0482	0.0	8.57E-10	2.54E-08	1.22F-07	2.89E-07	4.82E-07
4	1	46	47	6409.82		5981.14	1.6719	0.0400	0.0	1.275-09	1.38E-07	1.28E-06	4.47E-06	9.69E-06
8	5	е	7	10554.90	1	5981.74	1.6718	0.0574	0.0	0.0	8.58E-10	4.16E-08	3.93E-07	1.65F-06
6	3	0	1	6215.88	2	5981.95	1,6717	0.0769	0.0	0.0	3.47E-10	2.96E-09	9.876-09	2.07E-08
8	5	59	58	16659.74	1	5982.09	1.6717	0.0400	0.0	0.0	0.0	3.545-10	1.456-08	1.61E-07
6	3	25	26	7660.20	ı	5982.33	1.6716	0.0400	0.0	2.28E-10	6.75E-08	1.03E-06	4.86E-06	1.29E-05
3	0	40	41	3148.44	2	5982.64	1.6715	0.0400	0.0	7.28F-09	5.83E-08	1.46E-07	2.33E-07	3.00E-07
6	3	93	92	21899.26	1	5982.92	1.6714	0.0400	0.0	0.0	0.0	0.0	0.0	2.02E-09
7	4	11	12	8703.29	1	5983.26	1.6713	0.0542	0.0	0.0	1.23E-08	2.845-07	1.72E-06	5.39F-06
5	2	36	37	6901.85	ı	5983.76	1.6712	0.0400	0.0	8.72E-10	1.41E-07	1.58E-06	6.23E-06	1.46E-05
7	4	79	78	19595.97	1	5983.85	1.6712	0.0400	0.0	0.0	0.0	0.0	9.18E-10	1.64F-08
5	2	104	103	23771.70		5984.39	1.6710	0.0400	0.0	0.0	0.0	0.0	0.0	2.91E-10 1.84E-06
8	5	9	8	10584.25		5984.46	1.6710	0.0550	0.0	0.0	9.32E-10	4.575-08	4.35E-07	3.72E-09
6	3	70	69	14721.64		5984.64	1.6709	0.0400	0.0	0.0	0.0	0.0	4.55E-10 1.72E-08	1.86E-07
8	5	58	57	16451.68		5984.85	1.6709	0.0400	0.0	0.0	0.0	4.43E-10 0.0	0.0	3.35F-10
5	2	87	86	17358.87		5984.91	1.6709	0.0400	0.0	0.0	0.0 7.02E-08	2.27E-07	4.22E-07	6.00E-07
4	1	29	30	3785.38		5985.14	1.6708	0.0400	0.0	5.276-09		1.26F-07	2.93E-07	4.84E-07
5	2	16	17	4718.72		5986.31	1.6705	0.0493	0.0	9.56E-10	2.68E-08 9.93E-10	4.94E-08	4.74E-07	2.01E-06
8	5	10	9	10617.26		5987.08	1.6703	0.0547	0.0	0.0 1.22E-09	8.60E-08	6.40E-07	1.965-06	3.90F-06
3	0	54	55	5863.14		5987.09	1.6703	0.0400	0.0	0.0	0.0	5.51F-10	2.04E-08	2.13E-07
8	5	57	56	16247.05		5987.51	1.6701	0.0400 0.0545	0.0	0.0	1.22E-08	2.775-07	1.66E-06	5.16E-06
7	4	10	11	8658.86		5988-11	1.6700	0.0400	0.0	0.0	0.0	0.0	5.57E-10	4.38E-09
6	3	69	68	14482.17		5988 • 25	1.6699 1.6698	0.0400	0.0	2.80E-10	7.655-08	1.126-06	5.18E-06	1.35E-05
6	3	24	25 77	7563.39		5988.64 5988.88	1.6698	0.0400	0.0	0.0	0.0	0.0	1.17E-09	2.00E-08
7	4 3	78 1	ó	19318.68		5989.01	1.6697	0.0769	0.0	0.0	3.56F-10	3.04E-09	1.01E-08	2.12E-08
6 6	3	92	91	21574.38		5989.56	1.6696	0.0400	0.0	0.0	0.0	0.0	1.04E-10	2.55E-09
8	5	11	10	10653.94		5989.58	1.6696	0.0545	0.0	0.0	1.04E-09	5.25E-08	5.09E-07	2.17E-06
4	1	45	46	6233.30		5989.62	1.6696	0.0400	0.0	1.92E-09	1.81F-07	1.565-06	5.23E-06	1.106-05
8	5	56	55	16045.84		5990.05	1.6694	0.0400	0.0	0.0	0.0	6.82E-10	2.40E~08	2.43E-07
3	ő	39	40	2999.27		5990.13	1.6694	0.0400	0.0	1.02E-08	7.27E-08	1.72E-07	2.655-07	3.328-07
5	2	86	85	17062.69		5990.33	1.6694	0.0400	0.0	0.0	0.0	0.0	0.0	4.15E-10
5	2	35	36	6763.42		5991.21	1.6691	0.0400	0.0	1.19E-09	1.726-07	1.83E-06	6.98E-06	1.60E-05
5	2	15	16	4657.45		5991.48	1.6690	0.0505	0.0	1.05E-09	2.81E-08	1.29F-07	2.96E-07	4.83F-07
4	1	28	29	3676.69		5991.57	1.6690	0.0400	0.0	6.69F→09	8.16E-08	2.53=-07	4.58E-07	6.41E-07
6	3	68	67	14245.95	2	5991.75	1.6690	0.0400	0.0	0.0	0.0	0.0	6.79E-10	5.14E-09
8	5	12	11	10694.28	1	5991.99	1.6689	0.0542	0.0	0.0	1.08E-09	5.525-08	5-40E-07	2.32F-06
5	2	103	102	23409.84	1	5992.30	1.6688	0.0400	0.0	0.0	0.0	0.0	0.0	3.80E-10
6	3	2	1	6215.88	2	5992.39	1.6688	0.0738	0.0	0 • 0	7.175-10	6.13E-09	2.04F-08	4.28E-08
8	5	55	54	15848.09	1	5992.47	1.6688	0.0400	0.0	0.0	0.0	8.40E-10	8.83E-08	2.775-07
7	4	9	10	8618.14		5992.85	1.6687	0.0547	0.0	0.0	1.19E-08	2.67F-07	1.59E-06	4.89E-06
7	4	77	76	19044.64		5993.79	1.6684	0.0400	0.0	0.0	0.0	0.0	1.48E-09	2.42E-08
8	5	13	12	10738.28		5994.28	1.6683	0.0540	0.0	0.0	1.10E-09	5.74F-08	5.67E-07	2.45E-06
8	5	54	53	15653.78		5994.79	1.6681	0.0400	0.0	0.0	0.0	1.03E-09 1.22F-06	3.31E-08 5.49E-06	3.14E-07 1.41E-05
6	3	23	24	7470.27		5994.86	1.6681	0.0412	0.0	3.40E-10	8.62E-08 0.0	0.0	9.25E-10	6.02E-09
6	3	67	66	14013.01	2	5995.14	1.6680	0.0400	0.0	0.0	0.0	0.00		OFFE OF

vu	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	*** INTEGRAT	ED ** ABSORI CM-2*.		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
5	2	85	84	16769.63	2	5995.64	1.6679	0.040,0	0.0	0.0	0.0	0.0	0.0	5.13E-10
6	3	3	2	6223.04	2	5995.67	1.6679	0.0707	0.0	0.0	1 - 08E-09	9.23F-09	3.08E-08	6.47E-08
6	3	91	90	21252.63	1	5996.08	1.6678	0.0400	0.0	0.0	0.0	0.0	1.38E-10	3.21E-09
3	0	53	54	5655.77	1	5996.38	1.6677	0.0400	0.0	2.00E-09	1.19E-07	8-13E-07	2.37E-06	4.56E-06
8	5	14	13	10785.94	1	5996.47	1.6676	0.0528	0.0	0.0	1.11E-09	5.90E-08	5.89E-07	2.57E-06
5	2	14	15	4599.77	2	5996.54	1.6676	0.0517	0.0	1.145-09	2.92E-08	1.31E-07	2.96E-07	4.79E-07
8	5	53	52	15462.93	1	5996,99	1.6675	0.0400	0.0	0.0	0.0	1.26F-09	3.86E-08	3.56E-07
7	4	8	9	8581.11	1	5997.50	1.6674	0.0550	0.0	0.0	1.15E-08	2,54E-07	1.49E-06	4.58E-06
3	0	38	39	2853.67	2	5997.53	1.6674	0.0400	0.0	1.43E-08	9.02E-08	2.01E-07	2.99E-07	3.67E-07
4	1	27	28	3571.58	2	5997.90	1.6673	0.0400	0.0	8.40E-09	9.43E-08	2.80E-07	4 - 95E-07	6.80E-07
4	1	44	45	6060.43	1	5998.00	1.6672	0.0400	0.0	2.86E-09	2.35E-07	1.39E-06	6 09E-06	1.256-05
6	3	66	65	13783.34	2	5998.43	1.6671	0.0400	0.0	0.0	0.0	0.0	9.98E-10	7.02E-09
В	5	15	14	10837.26	1	5998.55	1.6671	0.0517	0.0	0.0	1.11E-09	6.00E-08	6.07E-07	2.67E-06
5	2	34	35	6628,66	1	5998.57	1.6671	0.0400	0.0	1.61E-09	2.09E-07	2.11E-06	7.78E-06	1.74E-05
7	4	76	75	18773.88	1	5998.59	1.6671	0.0400	0.0	0.0	0.0	0.0	1.88E-09	2.94E-08
6	3	4	3	6233.77	2	5998.86	1.6670	0.0676	0.0	0.0	1.43E-09	1.23E-08	4 . 12E-08	8.66E-08
8	5	52	51	15275.54	1	5999.08	1.6669	0.0400	0.0	0.0	0.0	1.53E-09	4.49E-08	4.01F-07
5		102	101	23050.98	1	6000.09	1.6666	0.0400	0.0	0.0	0.0	0.0	0.0	4.94E-10
8	5	16	15	10892.23	1	6000.53	1.6665	0.0505	0.0	0.0	1.09F-09	6.065-08	6.21E-07	2.75E-06
5	2	84	83	16479.69	2	6000.84	1.6664	0.0400	0.0	0.0	0.0	0.0	0.0	6.32E-10
6	3	22	23	7380.84	1	6000.97	1.6664	0.0423	0.0	4.078-10	9.63E-08	1.31E-06	5.80F-06	1.47E-05
8	5	51	50	15091.63	1	6001.05	1.6664	0.0400	0.0	0.0	0.0	1.855-09	5.20E-08	4.51E-07
5	2	13	14	4545,69	2	6001.51	1.6662	0.0528	0.0	1.23F-09	3.00E-08	1.32E-07	2 . 94 F-07	4.72E-07
6	3	65	64	13556.96	2	6001.61	1.6662	0.0400	0.0	0.0	0.0	0.0	1.20E-09	8.176-09
6	3	5	4	6248.08	2	6001.95	1.6661	0.0645	0.0	0.0	1.77E-09	1.536-08	5.14E-08	1.08E-07
7	4	7	8	8547.78	1	6002.03	1.6661	0.0574	0.0	0.0	1.09E-08	2.37E-07	1.38E-06	4.27E-06
8	5	17	16	10950.85	1	6002.39	1.6660	0.0493	0.0	0.0	1.07F-09	6.06E-08	6.30E-07	2.825-06
6	3	90	89	20934.01	1	6002.48	1.6660	0.0400	0.0	0.0	0.0	0.0	1.82E-10	4.02E-09
8	5	50	49	14911.20	1	6002.92	1.6659	0.0400	0.0	0.0	0.0	2.23F-09	6.00E-0B	5.06E-07
7	4	75	74	18506.41	1	6003.27	1.6658	0.0400	0.0	0.0	0.0	0.0	2.375-09	3.54E-08
4	1	26	27	3470.06	2	6004.15	1.6655	0.0400	0.0	1.05E-08	1.08E-07	3.09E-07	5.32E-07	7.205-07
8	5	18	17	11013.12	- 1	6004.15	1 •6655	0.0482	0.0	0.0	1.03F-09	80-3S0.6	6.356-07	2.87E-06
8	5	49	48	14734.27	1	6004.67	1.6654	0.0400	0.0	0.0	0.0	2.68E-09	6.89E-08	5.656-07
6	3	64	63	13333.88	2	6004.68	1.6654	0.0400	0.0	0.0	0.0	0.0	1.45E-09	9.47E-09
3	0	37	38	2711.64		6004.84	1.6653	0.0400	0.0	1.97F-08	1.11E-07	2.34E-07	3.37F-07	4.04E-07
6	3	6	5	6265.97	2	6004.93	1.6653	0.0621	0.0	0.0	2.09E-09	1.82E-08	6.14E-08	1.30E-07
3	0	52	53	5452.01	1	6005.58	1.6651	0.0400	0.0	3.225-09	1.63E-07	1.036-06	2.56F-06	5.31E-06
8	5	19	18	11079.05	1	6005.81	1.6651	0.0470	0.0	0.0	9.91E-10	5.93E-08	6.35F-07	2.90E-06
5	2	33	34	6497.59	1	6005.82	1.6651	0.0400	0.0	2.16E-09	2.52E-07	2.42E-06	8.63E-06	1.90E-05
5	2	83	82	16192.90	2	6005.93	1.6650	0.0400	0.0	0.0	0.0	0.0	0.0	7.77E-10
4	1	43	44	5891.22	1	6006.28	1.6649	0.0400	0.0	4.23E-09	3.04F-07	2.29E-06	7.06E-06	1.41E-05
8	5	48	47	14560.82	1	6006.31	1.6649	0.0400	0.0	0.0	0.0	3.19E-09	7.88F-08	6.29E-07
5	2	12	13	4495.20	2	6006.39	1.6649	0.0540	0.0	1.30F-09	3.05E-08	1.3tE-07	2.89F-07	4.60F-07
7	4	6	7	8518.15	1	6006.47	1.6649	0.0597	0.0	0.0	1.01F-08	2.17F-07	1.26E-06	3.81E-06
6	3	21	22	7295.12	1	6006.98	1.6647	0.0435	0.0	4.84E-10	1.07E-07	1.41E-06	6 • 08F-06	1.52E-05
8	5	20	19	11148.61	1	6007.35	1.6646	0.0458	0.0	0.0	9.43E-10	5.80F-08	6.32E-07	2.92E-06
6	3	63	62	13114.11	2	6007.65	1.6645	0.0400	0.0	0.0	0.0	0.0	1.73F-09	1-10E-08
5	2	101	100	22695.13	2	6007.76	1.6645	0.0400	0.0	0.0	0.0	0.0	0.0	6-42E-10
6	3	7	_6	6287.43		6007.82	1.6645	0.0597	0.0	0.0	2.385-09	2.09E-08	7.10F-08	1.51E-07
7	4	74	73	18242.22	1	6007.83	1.6645	0.0400	0.0	0.0	0.0	0.0	2.97E-09	4.27F-08
8	5	47	46	14390.88	1	6007.84	1.6645	0.0400	0.0	0.0	0.0	3.79E-09	8.99E-08	6.98F-07
4			110	24484.04	1	6008.35	1.6644	0.0400	0.0	0.0	0.0	0.0	0.0	7.52E-11
6	3	89	88	20618.54	1	6008.76	1.6642	0.0400	0.0	0.0	0.0	0.0	2.41E-10	5.07E-09

VU	۷L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	*****	** INTEGRATE	ED ** ARSOR CM-2*		FFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
8	5	21	20	11221.82	1	6008.79	1.6642	0.0447	0.0	0.0	8.89E-10	5.63E-08	6.25E-07	2.925-06
8	s	46	45	14224.45	1	6009.25	1.6641	0.0400	0.0	0.0	0.0	4.48F-09	1.025-07	7.71E-07
4	1	96	95	18241.11	2	6009.77	1.6640	0.0400	0.0	0.0	0+0	0.0	0.0	8.13E-11
8	5	22	21	11298.67	1	6010.12	1.6639	0.0435	0.0	0.0	8.32E-10	5.43E-08	6.14F-07	2.91E-06
4	1	25	26	3372.13	2	6010.29	1.6638	0.0400	0.0	1.29F-08	1.23E-07	3.38F-07	5.70E-07	7.58E-07
6	3	62	61	12897.64	2	6010.51	1.6638	0.0400	0.0	0.0	0.0	1.25F-10	2.07E-09	1.26F-08
8	5	45	44	14061.54	1	6010.56	1.6637	0.0400	0.0	0.0	0.0	5.276-09	1.156-07	8.506-07
6	3	8	7	6312.47	2	6010.61	1.6637	0.0574	0.0	0.0	2.65E-09	2.35E-08	8.01F-08	1.716-07
7	4	5	6	8492.22	1	6010.80	1.6637	0.0621	0.0	0.0	9.08E-09	1.93E-07	1.11F-06	3.36E-06
5	2	82	81	15909.25	2	6010.91	1.6636	0.0400	0.0	0.0	0.0	0.0	0.0	9.53E-10
5	2	11	12	4448.31	2	6011.16	1.6636	0.0542	0.0	1.356-09	3.06E-08	1.29E-07	2.82E-07	4.46E-07
8	5	23	22	11379.15	1	6011.34	1.6635	0.0423	0.0	0.0	7.72E-10	5.21E-08	6.00F-07	2.88E-06
8	5	44	43	13902.14	1	6011.75	1.6634	0.0400	0.0	0.0	0.0	6.16E-09	1.30E-07	9.33E-07
3	0	36	37	2573.18	2	6012.05	1.6633	0.0400	1.14E-10	2.70F-08	1.36E-07	2.71F-07	3.78E-07	4.42F-07
7	4	73	72	17981.34	1	6012.28	1.6633	0.0400	0.0	0.0	0.0	0.0	3.72E-09	5.12E-08
8	5	24	23	11463.27	1	6012.45	1.6632	0.0412	0.0	0.0	7.11E-10	4.96F-08	5.83E-07	2.83E-06
8	5	43	42	13746.29	1	6012.84	1.6631	0.0400	0.0	0.0	0.0	7.18E-09	1.46E-07	1.02E-06
6	3	20	21	7213.10	1	6012.89	1.6631	0.0447	0.0	5.68E-10	1.17F-07	1.50F-06	6.35E-06	1.56F-05
5	2	32	33	6370.20	I	6012.98	1.6631	0.0400	0.0	2.87E-09	3.026-07	2.75E-06	9.54E-06	2.05E-05
6	3	61	60	12684.50	2	6013.26	1.6630	0.0400	0.0	0.0	0.0	1.565-10	2.46F-09	1.45E-08
6	3	9	8	6341.08	2	6013.30	1.6630	0.0550	0.0	0.0	2.88F-09	2.58E-08	8.876-08	1.90E-07
8	5	25	24	11551.01	1	6013.46	1.6629	0.0400	0.0	0.0	6.50E-10	4.69E-08	5.63F-07	2.78E-06
8	5	42	41	13593.96	1	6013.81	1.6628	0.0400	0.0	0.0	0.0	8.32F-09	1.63E-07	1.11E-06
8	5	26	25	11642.38	1	6014.35	1.6627	0.0400	0.0	0.0	5.90F-10	4 • 4 2F-08	5.42E-07	2.71F-06
4	1	42	43	5725.68	1	6014.47	1.6627	0.0400	0.0	6.20E-09	3.90E-07	2.75E-06	8.16E-06	1.58F-05
8	5	41	40	13445.18	1	6014.67	1.6626	0.0400	0.0	0.0	0.0	9.596-09	1.816-07	1.21E-06
3	0	51	52	5251.89	1	6014.68	1.6626	0.0400	0.0	5.16E-09	2.22E-07	1.29E-06	3.43E-06	6.18E-06
6	3	88	87	20306.23	1	6014.93	1.6625	0.0400	0.0	0.0	0.0	0.0	3.195-10	6+376-09
7	4	4	5	8470.00	1	6015.03	1.6625	0.0645	0.0	0.0	7.91E-09	1.67F-07	9.56E-07	2.88F-06
8	5	27	26	11737.38	1	6015+14	1.6625	0.0400	0.0	0.0	5.31E-10	4.13E-08	5.186-07	2.63E-06
5	2	100	99	22342.30	1	6015.32	1.6624	0.0400	0.0	0.0	0.0	0.0	0.0	8.30E-10
8	5	40	39	13299.95	1	6015.42	1.6624	0.0400	0.0	0.0	0.0	1-105-08	2.01E-07	1.316-06
5	2	81	80	15628.77		6015.78	1.6623	0.0400	0.0	0.0	0.0	0.0	1.83E-10	1.16E-09
8	5	28	27	11835.99	1	6015.82	1.6623	0.0400	0.0	0.0	4.75F-10	3.84E-08	4.94E-07	2.55E-06
5	2	10	11	4405.02		6015.85	1.6623	0.0545	0.0	1.39E-09	3.04E-08	1.266-07	2.72E-07	4.27E-07
6	3	10	9	6373.27	2	6015.89	1.6623	0.0547	0.0	0.0	3.07E-09	2.79E-08	9.67E-08	2.08E-07
6	3	60	59	12474.70		6015.91	1.6623	0.0400	0.0	0.0	0.0	1.95E-10	2.916-09	1.66E-08
8	5	39	38	13158.27		6016.06	1.6622	0.0400	0.0	0.0	0.0	1.59E-08	2.22F-07	1.41E-06
4	1	95	94	17914.32	2	6016.15	1.6622	0.0400	0.0	0.0	0.0	0.0	0.0	1.03E-10
4	1	24	25	3277.80	2	6016.35	1.6621	0.0400	0.0	1.57E-08	1.396-07	3.68E-07	6.06E-07	7.95E-07
8	5	29	28	11938.21	1	6016.39	1.6621	0.0400	0.0	0.0	4.21E-10	3.55E-08	4.68E-07	2.45E-06
8	5	38	37	13020.16	1	6016.58	1.6621	0.0400	0.0	0.0	1.10E-10	1.43E-08	2.43E-07	1.525-06
7	4	72	71	17723.78		6016.62	1.6621	0.0400	0.0	0.0	0.0	0.0	4.63E-09	6.13E-08 2.35E-06
В	5	30	29	12044.05	1	6016.85	1.6620	0.0400	0.0	0.0	3.71E-10	3.265-08	4.418-07	
8	5	37	36	12885.61	1	6017.00	1.6620	0.0400	0.0	0.0	1.31E-10	1.61F-08	2.66E-07	1.63E-06
4	1		109	24097.80	1	6017.08	1.6619	0.0400	0.0	0.0	0.0	0.0	0.0	1.00E-10
8	5	31	30	12153.49		6017.20	1.6619	0.0400	0.0	0.0	3.26F-10	3.00E-08	4.16E-07 2.90F-07	2.26E-06 1.73E-06
8	5	36	35	12754.63		6017.31	1.6619	0.0400	0.0	0.0	1.556-10	1.81E-08		2.16E-06
8	5	32	31	12266.54		6017.44	1.6618	0.0400	0.0	0.0	2.85E-10	2.745-08	3.91F-07 3.15E-07	1.84E-06
8	5	35	34	12627.23		6017.51	1.6618	0.0400	0.0	0.0	1.82E-10	2.02F-08 2.49E-08	3.65E-07	2.065-06
8	5	33	32	12383.18		6017-57	1.6618	0.0400	0.0	0.0	2.47E-10	2.492-08	3.40E-07	1.95E-06
8	5	34	33	12503.41	1	6017.59	1.6618	0.0400	0.0	0.0	2.13E-10 3.23E-09	2.985-08	1.04E-07	2.25E-07
6	3	11	10	6409.02	z	6018.38	1.6616	, 0 ₉ 0545	0.0	0.0	J+ 236-09	200-00		

٧u	٧L	JU	JL	LOWER State	CODE	WAVE NUMBFR	WAVE LENGTH	HALF Width	******	** INTEGRAT	ED ** ABSORE		FFICIENT **	*****
				ENEŔGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
6	3	59	58	12268.22	2	6018.45	1.6616	0.0400	0.0	0.0	0.0	2.435-10	3.46E-09	1.916-08
6	3	19	20	7134.78	1	6018.70	1.6615	0.0458	0.0	6.59E-10	t • 28F-07	1.58E-06	6.58E-06	1.60E-05
7	4	á	4	8451.48	1	6019.15	1.6614	0.0676	0.0	0.0	6.57F-09	1.38E-07	7.85E-07	2.36E-06
3	0	35	36	2438.31	2	6019.17	1.6614	0.0400	2.13E-10	3.65F-08	1.66E-07	3.13E-07	4.22E-07	4.83E-07
5	2	31	32	6246.50	1	E0.0209	1.6611	0.0400	0.0	3.77E-09	3.60E-07	3.12E-06	1.056-05	2.21E-05
5	2	9	10	4365.34	2	6020.43	1.6610	0.0547	0.0	1.40E-09	2.97E-08	1.21E-07	2.59E-07	4.04E-07
5	2	80	79	15351.45	2	6020.55	1.6610	0.0400	0.0	0.0	0.0	0 • 0	1.57F-10	1.42E-09
6	3	12	11	6448.35	2	6020.78	1.6609	0.0542	0.0	0.0	3.34F-09	3 • 1 3F-08	1.10E-07	2.40E-07
7	4	7 t	70	17469.54	1	6020.83	1.6609	0.0400	0.0	0.0	0.0	1.16F-10	5.76E-09	7.31E-08
6	3	58	57	12065.10	2	6020.89	1.6609	0.0400	0.0	0.0	0.0	3.02E-10	4.09E-09	2.18E-08
6	3	87	86	19997.09	1	6020.98	1.6609	0.0400	0.0	0.0	0.0	0.0	4.19E-10	7.98E-09
4	1	23	24	3187.07		6022.30	1.6605	0.0412	0.0	1.89E-08	1.56F-07	3.98F-07	6.42E-07	8.305-07
4	1	94	93	17590.57	2	6022.42	1.6605	0.0400	0.0	0.0	0.0	0.0	0.0	1.306-10
4	1	41	42	5563.80	1	6022.55	1.6604	0.0400	0.0	9.01E-09	4.98E-07	3.29E-06	9.38E+06	1.78E-05
5	2	99	98	21992.52	1	6022.75	1.6604	0.0400	0.0	0.0	0.0	0.0	0.0	1.07E-09
6	3	13	12	6491.25		6023.07	1.6603	0.0540	0.0	0.0	3.42E-09	3.26E-08	1.16E-07	2.55F-07
7	4	2	3	E436.66	1	6023.17	1.6603	0.0707	0.0	0.0	5.09E-09	1.06E-07	6.02E-07	1.80E-06
6	3	57	56	11865.33		2S.ES09	1.6602	0.0400	0.0	0.0	0.0	3.73E-10	4.82E-09	2.49E-08
3	0	50	51	5055.41	1	6023.68	1.6601	0.0400	0.0	8.17E-09	3.01E-07	1.62F-06	4.10E-06	7.15E-06
6	3	18	19	7060-17		6024.41	1.6599	0.0470	0.0	7.57E-10	1.38E-07	1.66F-06	6.79E-06	1.63E-05
5	2	8	9	4329.25		6024.92	1.6598	0.0550	0.0	1.39E-09	2.86E-08	1.15E-07	2.44E-07	3.785-07
7	4	70	69	17218.64	1	6024.94	1.6598	0.0400	0.0	0.0	0.0	1.53F-10	7.13E-09	8.69E-08
5	2	79	78	15077.32	2	6025.20	1.6597	0.0400	0.0	0.0	0.0	0.0	1.995-10	1.72E-09
6	3	14	13	6537.71	2	6025.26	1.6597	0.0528	0.0	0.0	3.46E-09	3.36E-08	1.21E-07	2.67E-07
6	3	56	55	11668.92		6025.45	1.6596	0.0400	0.0	0.0	0.0	4.59E-10	5.66E-09	2.84E-08
4	1		108	23714.48		6025.68	1.6596	0.0400	0.0	0.0	0.0	0 • 0	0.0	1.335-10
3	0	34	35	2307.02		6026.20	1.6594	0.0400	3.92E-10	4.91E-08	2.00E-07	3.596-07	4.69E-07	5.26E-07
6	3	86	85	19691.13		6026.91	1.6592	0.0400	0.0	0.0	0.0	0.0	5.50E-10	9.97E-09
5	2	30	31	6126.50		6026.99	1 •6592	0.0400	0.0	4.90F-09	4.25E-07	3.51F-06	1.15E-05	2.38E-05
7	4	1	2	8425.54		6027.09	1.6592	0.0738	0.0	0.0	3.48F-09	7.21E-08	4.09E-07	1.22E-06
6	3	15	14	6587.74		6027.35	1.6591	0.0517	0.0	0.0	3.46E-09	3.43E-08	1.25E-07	2.78E-07
6	3	55	54	11475.88		6027.57	1.6590	0.0400	0.0	0.0	0.0	5.63F-10	6.62E-09	3.22E-08
4	1	22	23	3099.94		6028.17	1.6589	0.0423	0.0	2.26E-08	1.74E-07	4 • 28E-07	6.765-07	8.62E-07
4	1	93	92	17269.87		6028.58	1.6588	0.0400	0.0	0.0	0.0	0.0	0.0	1.63E-10
7	4	69	68	16971.09		6028.93	1.6587	0.0400	0.0	0.0	0.0	2+00E-10	8.79E-09	1.03E-07
5	2	7	8	4296.77		6029.31	1.6586	0.0574	0.0	1.35E-09	2.70E-08	1.07E-07	2.26E-07	3.48E-07
6	3	16	15	6641.34		6029:35	1.6586	0.0505	0.0	0.0	3.42E-09	3.46E-08	1.28E-07	2.87E-07
6	3	54	53	11286.22		6029.58	1.6585	0.0400	0.0	0.0	0.0	6.86E-10	7.72E-09	3.64E-08
5	2	78	77	14806.39		6029.75	1.6584	0.0400	0.0	0.0	0.0	0.0	2.52E-10	2.09E-09
6	3	17	18	6989.28		6030.01	1.6584	0.0482	0.0	8.58F-10	1.48E-07	1.73F-06	6.95E-06	1.65E-05
5	2	98	97	21645.80		6030.07	1.6584	0.0400	0.0	0.0	0.0	0.0	0.0	1.38E-09
4	1	40	41	5405.60		6030.54	1.6582	0.0400	0.0	1.30E-08	6.31F-07	3.915-06	1.07E-05	1.98E-05
7	4	0	1	8418.13		6030.90	1.6581	0.0769	0.0	0.0	1.78E-09	3.67E-08	2.08E-07	6.21E-07
6	3	17	16	6698.49		6031.24	1.6580	0.0493	0.0	0.0	3.35F-09	3.47E-08	1.30E-07	2.94E-07
6	3	53	52	11099.95		6031.49	1.6580	0.0400	0.0	0.0	0.0	8.34E-10	8.96E-09	4.10E-08
3	0	49	50	4862.58		6032.59	1.6577	0.0400	0.0	1.28E-08	4.05E-07	2.02E-06	4.88E-06	8.25E-06
6	3	85	84	19388.37		6032.72	1.6576	0.0400	0.0	0.0	0.0	0.0	7.20E-10	1.24E-08
7	4	68	67	16726.89		6032.80	1.6576	0.0400	0.0	0.0	0.0	2.60E-10	1.08E-08	1.22E-07
6	3	18	17	6759,20		6033.03	1.6575	0.0482	0.0	0.0	3.26E-09	3.46E-08	1.31E-07	3.00E-07
3	0	33	34	2179.32		6033.13	1.6575	0.0400	7.09E-10	6.52F-08	2.41E-07	4.10E-07	5.19E-07	5.71E-07
6	3	52	51	10917.06		6033.29	1.6575	0.0400	0.0	0.0	0.0	1.01E-09	1.04E-08	4.61E-08
5	2	6	7	4267.90		6033.60	1.6574	0.0597	0.0	1.28F-09	2.50F-08	9.80E-08	2.05E-07	3.15E-07
5	5	29	30	6010.21	1	6033.84	1.6573	0.0400	0.0	6.35E-09	4.99E~07	3.94E-06	1.25E-05	2.54E-05

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	ED ** ABSORE		FFICIENT **	*****
				ENERGY		CM-1	MICRON	NS	T = 300	T'= 600	T = 900	T = 1200	T = 1500	T = 1800
4	1	21	22	3016-41	2	6033.94	1.6573	0.0435	0.0	2.67E-08	1.93F-07	4.58E-07	7.09E-07	8.915-07
4	1	108	107	23334.10	1	6034.16	1.6572	0.0400	0.0	0.0	0.0	0.0	0.0	1.77E-10
5	2	77	76	14538.66	2	6034.19	1.6572	0.0400	0.0	0.0	0.0	0.0	3.18E-10	2.52E-09
4	1	92	91	16952.23	2	6034.63	1.6571	0.0400	0.0	0.0	0.0	0.0	0.0	2.04E-10
6	3	19	18	6823.48	2	6034.72	1.6571	0.0470	0.0	0.0	3.136-09	3.41E-08	1.32E~07	3.04E-07
6	3	51	50	10737.57	2	6034.99	1.6570	0.0400	0.0	0.0	0.0	1.21E-09	1.20E-08	5.16E-08
6	3	16	17	6922.10	1	6035.51	1.6569	0.0493	0.0	9.62E-10	1.57F-07	1.79E-06	7.07E-06	1.66E-05
6	3	50	19	6891.30	2	6036.31	1.6566	0.0458	0.0	0.0	2.99E-09	3.35E-08	1.31E-07	3.06E-07
7	4	67	66	16486.06	1	6036.56	1.6566	0.0400	0.0	0.0	0.0	3.37F-10 1.45E-09	1.32E-08 1.37E⊶08	1 • 44E-07 5 • 77E-08
6	3	50	49	10561.49	2	6036.59	1.6566	0.0400	0.0	0.0	0.0	0.0	0.0	1.77E-09
5	2	97	96	21302.14	1	6037.27	1.6564	0.0400 0.0447	0.0 0.0	0.0	2.83E-09	3.56E-08	1.30E-07	3.07E-07
6	3 2	21 5	20 6	6962.68 4242.63	2 2	6037.80 6037.80	1.6562 1.6562	0.0621	0.0	1.176-09	2.85E-08	8.74E-08	1.81E-07	2.785-07
5 6	3	49	48	10388.82		80.38.08	1.6562	0.0400	0.0	0.0	0.0	1.73F-09	1.57E-08	5.42E-08
7	4	1	*0	8414.43	1	6038.20	1.6561	0.0769	0.0	0.0	1.83E-09	3.76E-08	2.135-07_	6.36E-07
6	3	84	83	19088.83	ì	6038-41	1.656t	0.0400	0.0	0.0	0.0	0.0	9.38E-10	1.54E-08
4	1	39	40	5251.08	i	6038.43	1.6561	0.0400	0.0	1.856-08	7.95E-07	4.63E-06	1.23F-05	2.21E-05
5	ź	76	75	14274.14	2	6038.52	1.6560	0.0400	0.0	0.0	0.0	0.0		3.04E-09
6	3	22	21	7037.61	2	6039.19	1.6559	0.0435	0.0	0.0	2.665-09	3.15E-08	1.28E-07	3.06E-07
6	3	48	47	10219.57	2	6039.46	1.6558	0.0400	0.0	0.0	0.0	2.06E-09	1.79E-08	7.12E-08
4	1	20	21	2936.50	2	6039.61	1.6557	0.0447	0.0	3.12E~08	2.11E-07	4.86E-07	7.38E-07	9.17E-07
3	ō	32	33	2055.22	2	6039.97	1.6556	0.0400	1.26E-09	8.596-08	2.87E-07	4.65E-07	5.71E-07	6.16E-07
7	4	66	65	16248.61	1	6040.21	1.6556	0.0400	0.0	0.0	0.0	4.36E-10	1.61E-08	1.69E-07
6	3	23	22	7116.09	2	6040.48	t •6555	0.0423	0.0	0.0	2.47E-09	3.03E-08	1.25E-07	3.03E-07
4	1	91	90	16637.68	2	6040.57	1.6555	0.0400	0.0	0.0	0.0	0.0	0 + C	2.56E-10
5	2	28	29	5897.62	1	6040.60	1.6555	0.0400	0.0	8.09E-09	5.84E-07	4,41E-06	1.36E-05	2.72E-05
6	3	47	46	10053.75	2	6040.74	1.6554	0.0400	0.0	0.0	0.0	2.43E-09	2.03E~08	7.87E-08
6	3	15	16	6858,63	1	6040.91	1.6554	0.0505	0.0	1.06E-09	1.66E-07	1.83E-06	7.14F-06	t • 66E-05
3	0	48	49	4673.40	1	6041.40	1.6552	0.0400	0.0	2.00E-08	5.42E-07	2.51E-06	5.78E-06	9.50E-06
6	3	24	23	7198.11	2	6041.67	1.6552	0.0412	0.0	0.0	2.29E-09	2.89E-08	1.22E-07	2.99E-07
7	4	2	1	8418.13		6041.70	1.6552	0.0738	0.0	0.0	3.686-09	7.59E-08	4.30E-07	1.28E-06
5	2	4	5	4220.97		6041.90	1.6551	0.0645	0.0	1.04E-09	1.96E-08	7.54E-08	1.56E-07	2.38E-07
6	3	46	45	9891.36		6041.92	1.6551	0.0400	0.0	0.0	0.0	2.85E-09	2.30E-08	8.67E-08
4	1			22956.67	1	6042.52	1.6549	0.0400	0.0	0.0	0.0	0.0	0.0	2.34E-10
5	2	75	74	14012+86		6042.75	1.6549	0.0400	0.0	0.0	0.0	0.0	5.01F-10	3.65E-09
6	3	25	24	7283.66	2	6042.75	1.6549	0.0400	0.0	0.0	2.10E-09	2.75E-08 3.34E-09	1.18E-07 2.59E-08	2.94E-07 9.52E-08
6	3	45	44	9732.40	2	6042.99	1.6548	0.0400	0.0	0.0	0.0	5.60E-10	1.96E-08	1.97E-07
7	4	65	64	16014.55	1 2	6043.74	1.6546 1.6546	0.0400 0.0400	0 • 0 0 • 0	0.0	1.91E-09	2.59E-08	1.14E-07	2.88E-07
6	3	26 44	25 43	7372.76		6043.74 6043.96	1.6545	0.0400	0.0	0.0	1.196-10	3.89€-09	2.90E-08	1.04E-07
6 6	3	83	82	9576.89 18792.51	ī	6043.99	1.6545	0.0400	0.0	0.0	0.0	0.0	1.22E-09	1.91E-08
5	2	96	95	20961.57	i	6044.35	1.6544	0.0400	0.0	0.0	0.0	0.0	1.02E-10	2.27E-09
6	3	27	26	7465.39	-	6044.62	1.6544	0.0400	0.0	0.0	1.73E-09	2.43E-08	1.095-07	2.80E-07
6	3	43	42	9424.83		6044.82	1.6543	0.0400	0.0	0.0	1.46E-10	4.51E-09	3.24E-08	1.14E-07
7	4	3	2	8425.54		6045.09	1.6542	0.0707	0.0	0.0	5.52E-09	1.14E-07	6.48E-07	1.94E-06
4	1	19	20	2860.19		6045.19	1.6542	0.0458	0.0	3.61E-08	2.29E-07	5.13E-07	7.64E-07	9.38E-07
6	3	28	27	7561.55		6045.40	1.6542	0.0400	0.0	0.0	1.55E-09	2.27E-08	1.04E-07	2.716-07
6	3	42	41	9276.23		6045.58	1.6541	0.0400	0.0	0.0	1.79E-10	5.20E-09	3.61E-08	1.23E-07
5	2	3	4	4202.92		6045.90	1.6540	0.0676	0.0	8.75E-10	1.63E-08	6.22E-08	1.28E-07	1.95E-07
6	3	29	28	7661.24		6046.08	1.6540	0.0400	0.0	0.0	1.38E-09	2.10E-08	9.91E-08	2+62E-07
4	1	38	39	5100.25		6046.21	1.6539	0.0400	0.0	2•6∮⊑-08	9.94E-07	5.45E-06	1.39E-05	2.45E-05
6	3	14	15	6798.89	1	6046.21	1.6539	0.0517	0.0	1.165-09	1.72E-07	1.865-06	7.16E-06	1 .65E-05
6	3	41	40	9131.08	2	6046.24	1.6539	0.0400	0.0	0.0	2.18E-10	5.96E-09	4.00E-08	1.34E-07

٧u	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	*******	** INTEGRAT	FN ** ARSHR	PT10N ** CO	EEECCIENT *	
		•		STATE		NUMBER	LENGTH	WIDTH			CM-2*	ATM-1	ZIFFICIENT #	***
				ENERGY		CM-1	MICRON	ИЗ	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
4	1	90	89	16326.21	2	6046.39	1.6539	0.0400	0.0	0.0	0.0	0.0	0.0	3.19E-10
6	3	30	29	7764.45	2	6046.66	1.6538	0.0400	0.0	0.0	1.22F-09	1.94E-08	9.37E-08	2.52F-07
3	0	31	32	1934.72	2	6046.72	1.6538	0.0400	2.19E-09	1.12E-07	3.40E-07	5.255-07	6.27F-07	6.63E-07
6	3	40	39	8989.41	2	6046.79	1.6538	0.0400	0.0	0.0	2.63E-10	6.81E-09	4.41E-08	1.44E-07
5	2		73	13754.80	2	6046.86	1.6538	0.0400	0.0	0.0	0.0	0.0	6.25E-10	4.388-09
6	3	31	30	7871.18	2	6047.13	1.6537	0.0400	0.0	0.0	1.08E-09	1.79E-08	8.87E-08	2.42E-07
7	4	64	63	15783.89	1	6047.15	1.6537	0.0400	0.0	0.0	0.0	7-17E-10	2.38F-08	2.30E-07
6	3	39	38	8851.20	2	6047.24	1.6536	0.0400	0.0	0.0	3.16E-10	7.745-09	4.85E-08	1.555-07
5	2		28	5788.74	1	6047.25	1.6536	0.0400	0.0	1.03E-08	6.79E-07	4.90E-06	1.48E-05	2.905-05
6	3	32	31	7981.43	2	6047.50	1.6536	0.0400	0.0	0.0	9.49E-10	1.64E-08	8.35E-08	2.32E-07
6	3		37	8716.48	2	6047.59	1.6536	0.0400	0.0	0.0	3.77E-10	8.75E-09	5.31E-08	1.66E-07
6	3	33	32	8095.19	2	6047.77	1.6535	0.0400	0.0	0.0	8.27E-10	1.50F-08	7.83E-08	2.22E-07
6	3	37	36	8585.23	2	6047.83	1.6535	0.0400	0.0	0.0	4.47E-10	9.84F-09	5.79E-08	1.778-07
6	E E	34	33	8212.45	2	6047.94	1.6535	0.0400	0.0	0.0	7.16E-10	1.36E-08	7.31E-08	2.11E-07
6		36	35	8457.48	2	6047.97	1.6534	0.0400	0.0	0.0	5.26E-10	1.10E-08	6.29E-08	1.89E-07
6	3	35	34	8333.21	2	6048.01	1.6534	0.0400	0.0	0.0	6.16E-10	1.23E-08	6.79E-08	2.00E-07
7	4	4	3	8436.66	1	6048.37	1.6533	0.0676	0.0	0.0	7.31E-09	1.52E-07	8.656-07	2.59E-06
6 5	-	82	81	18499.43	1	6049.46	1.6530	0.0400	0.0	0.0	0.0	0.0	1.58E-09	2.36F-08
3	9	2	3	4188.48	2	6049.80	1.6529	0.0707	0.0	6.86E-10	t • 26E-08	4.79E-08	9.81E-08	1-49E-07
7	4	47	48	4487.89	1	6050.11	1.6529	0.0400	0.0	3.08E-08	7.21E-07	3.09E-06	6.83F-06	1.09E-05
4	-	63	62	15556.63	1	6050.45	1.6528	0.0400	0.0	0.0	0.0	9.13E-10	2.87E-08	2.685-07
4	1	18	19	2787.51	2	6050.67	1.6527	0.0470	1.04E-10	4.13F-08	2.47E-07	5.37E-07	7.87E-07	9.54E-07
5	2	106 73	105	22522.21	1	6050.76	1.6527	0.0400	0.0	0.0	0.0	0.0	0.0	3.09F-10
5	2	95	72	13499.99	2	6050.87	1.6527	0.0400	0.0	0.0	0.0	0.0	7.77E-10	5.22E-09
6	3	13	94 14	20624.10	1	6051.31	1.6525	0.0400	0.0	0.0	0.0	0.0	1.37E-10	2.89E-09
7	4	5	4	6742.87	1	6051.40	1.6525	0.0528	0.0	1.25E-09	1.78E-07	1.88F-06	7.12E-06	1.63F-05
4	1	89	88	8451.48	1	6051.55	1.6525	0.0645	0.0	0.0	9.04E-09	1.89F-07	1.08F-06	3.24E-06
3	ō	30	31	16017.84	2	6052.11	1.6523	0.0400	0.0	0.0	0.0	0.0	0.0	3.99E-10
5	2	1	31	4177.65	2	6053.37	1.6520	0.0400	3.75E-09	1 • 45E07	4.00E-07	5.906-07	6.85E-07	7-11E-07
7	4	62	61	15332.79	2	6053.61	1.6519	0.0738	0.0	4.73E-10	6.62E-09	3.26F-08	6.67E-08	1.01E-07
5	2	26	27	5683.57		6053.64	1.6519	0.0400	0.0	0.0	0.0	1.16E-09	3.44E-08	3.11E-07
4	1	37	38	4953.12	1	6053.81	1.6519	0.0400	0.0	1.29E-08	7.83E-07	5.42E-06	1 - 595-05	3.08E-05
7	4	6	5	6470.00	1	6053.90	1.6518	0.0400	0.0	3.64E-08	1.23E-06	6.38E-06	1.57E-05	2.70E-05
5	2	72	71	13248.44	2	6054.62 6054.77	1.6516	0.0621	0.0	0.0	1.07E-08	2.25E-07	1.29E-06	3.88E-06
6	3	81	80	18209.59	1	6054.77	1.6516	0.0400	0.0	0.0	0.0	0.0	9.63E-10	6.22E-09
4	ī	17	18	2718.44	2	6056.06	1.6516	0.0400	0.0	0.0	0.0	0.0	2.03E-09	2.91E-08
6	3	12	13	6690.57	ī	6056.49	1.6512 1.6511	0.0482	1.39E-10	4.66E-08	2.65F-07	5.59F-07	8.05E-07	9.65E-07
7	4	61	60	15112.37	i	6056.72	1.6511	0.0540	0.0	1.33E-09	1.81E-07	1.88E-06	7.02E-06	1.59E-05
5	z	0	1	4170.43	2	6057.32	1.6509	0.0400	0.0	0.0	0.0	1.465-09	4.12E-08	3.59E-07
7	4	7	6	8492.22	1	6057.59	1.6508	0.0769	0.0	2.43E-10	4.40E-09	1.66E-08	3.39E-08	5.12E-08
4	i	88	87	15712.59	2	6057.72	1.6508	0.0597	0.0	0.0	1.216-08	2.58E-07	1.49E-06	4.50E-06
5	2	94	93	20289.75	ī	6058.15	1.6507	0.0400	0.0	0.0	0.0	0.0	0.0	4.99E-10
5	2	71	70	13000.15	ż	6058.56	1.6506		0.0	0.0	0.0	0.0	1.84E-10	3.68E-09
3	0	46	47	4306.05	ī	6058.72	1.6505	0.0400	0.0	0.0	0.0	0.0	1 • 1 9E- 09	7.38E-09
4	1		104	22210.73	ī	6058.88	1.6505		0.0	4.71E-08	9.52F-07	3.80E-06	8 • 03E-06	1.24E~05
7	4	60	59	14895.39	i	6059.68	1.6503	0.0400 0.0400	0.0	0.0	0.0	0.0	0.0	4.06E-10
3	Ó	29	30	1704.53	2	6059.93	1.6502		0.0	0.0	0.0	1.84E-09	4.92E-08	4.14E-07
6	3	80	79	17923.02	ī	6060.03	1.6502	0.0400	6.29E-09	1.85E-07	4.68E-07	6.59E-07	7.44E-07	7.59E-07
5	2	25	26	5582.12	i	6060.26	1.6502	0.0400	0.0	0.0	0.0	0.0	2.61E-09	3.57E-08
7	4	8	7	8518.15	ī	6060.45	1.6500	0.0400	0.0 0.0	1.60E-08	8.97E-07	5.96E-06	1.71E-05	3.256-05
4	1	16	17	2652.99	ž	6061.35	1.6498	0.0374	1.82E-10	0.0	1.35E-08	2.89E-07	1.68E-06	5-10E-06
6	3	11	12	6642.00	1	6061.48	1.6498	0.0493	0.0	5.20E-08 1.39E-09	2.80E-07	5.77E-07	8.18E-07	9.716-07
									J.		1.82E-07	1.85E-06	6.85E-06	1.54F-05

νu	٧L	Jü	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR	PTION ** CO		******
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
							172011017		, = 545		, , , , , ,			
														-
4	1	36	37	4809.68	1	6061.50	1.6498	0.0400	0.0	5.04E-08	1.52E-06	7.44E-06	1 • 77E-05	2.98E~05
5	2	70	69	12755.13	2	6062.25	1.5496	0.0400	0.0	0.0	0.0	0.0	1.46F-09	8.73E-09
7	4	59	58	14681.85	1	6062.52	1.6495	0.0400	0.0	0.0	0.0	2.31E-09	5.88E-08	4,78E-0 <u>7</u>
7	4	9	8	8547.78	1	6063.21	1.6493	0.0550	0.0	0.0	1.46E-08	3.18E-07	1.86E-06	5.66E~06
4	1	87	86	15410.46	2	6063,22	1.6493	0.0400	0.0	0.0	0.0	0.0	0.0	6.21F-10
5	2	1	0	4166.82	2	6064.44	1.6490	0.0769	0.0	2.50E-10	4.52E-09	1.70E-08	3.47E-08	5.25E-08
5	2	òЗ	92	19958,52	1	6064.87	1.6488	0.0400	0.0	0.0	0.0	0.0	2.47E-10	4.67E-09
6	3	79	78	17639.71	1	6065.14	1.6488	0.0400	0.0	0.0	0.0	0.0	3.35E-09	4.37E-08
7	4	58	57	14471.76	1	6065.26	1.6487	0.0400	0.0	0.0	0.0	2.89E-09	7.00E-08	5.51E-07
5	2	69	68	12513.40	2	6065.82	1.6486	0.0400	0.0	0.0	0.0	1.19E-10	1 • 80E-09	1.03E-08
7	4	10	9	8581.11	1	6065.86	1.6486	0.0547	0.0	0.0	1.56F-08	3.43E-07	2.02E-06	6.20E-06
6	3	10	11	6597.16	1	6066.36	1.6484	0.0545	0.0	1.44E-09	1.81E-07	1.81E-06	6.62E-06	1.48E-05
3	0	28	29	1594.85		6066.39	1.6484	0.0400	1.04E-08	2.36E-07	5.45E-07	7.35E-07	8.09E-07	8.115-07
4	1	15	16	2591.16	2	6066.54	1.6484	0.0505	2.32E-10	5.74E-08	2.94E-07	5.90E-07	8.25E-07	9.70E-07
5	2	24	25	5484.40	i	6066.61	1.6484	0.0400	0.0	1.97E~08	1.02E-06	6.52E-06	1 -83E-05	3.415-05
4	1	104	103	21842.26	1	6066.88	1.6483	0.0400	0.0	0.0	0.0	0.0	0.0	5.336-10
3	0	45	46	4127.89	1	6067.24	1.6482	0.0400	0.0	7.13E~08	1.25E-06	4.65E-06	9.41E-06	1.42E-05
5	2	2	1	4170.43	2	6067.86	1.6480	0.0738	0.0	5.03E-10	9.11E-09	3.44E-08	7.01E-08	1.06E-07
7	4	57	56	14265.13	1	6067.88	1.6480	0.0400	0.0	0.0	0.0	3.61E-09	6.31E-08	6.32E-07
7	4	11	10	8618.14	1	6068.40	1.6479	0.0545	0.0	0.0	1.63E-08	3.65E-07	2.17E-06	6.69E-06
4	1	86	85	15111.48	2	6068.61	1.6478	0.0400	0.0	0.0	0.0	0.0	0.0	7.72E~10
4	1	35	36	4669.95	1	6068.99	1.6477	0.0400	0.0	6.91E-08	1.876-06	8.63E-06	1.99E-05	3.26E-05
5	2	68	67	12274.96	2	6069.29	1.6476	0.0400	0.0	0.0	0.0	1.54E-10	5.19E-09	t •21€-08
6	3	78	77	17359.69	1	6070.14	1.6474	0.0400	0.0	0.0	0.0	0.0	4.28E-09	5.34E-08
7	4	56	55	14061.97	1	6070.38	1.6473	0.0400	0.0	0.0	0.0	4.48F-09	9.82E-08	7.23E-07
7	4	12	11	8658.86	1	6070.84	1.6472	0.0542	0.0	0.0	1.69E-08	3.84E-07	2.30E-06	7.15E-06
6	3	9	10	6556.05		6071.14	1.6471	0.0547	0.0	1.45E~09	1.78E-07	1.74E-06	6.32E-06	1.40E-05
5	2	3	2	4177.65	2	6071.17 .		0.0707	0.0	7.51E-10	1.37E-08	5 • 1 8E-08	1.06E-07	1.60E-07
5	2	92	91	19630.43	1	6071.47	1.6470	0.0400	0.0	0.0	0.0	0.0	3.29E-10	5.90E-09
4	1	14	15	2532.96	2	6071-64	1.6470	0.0517	2.91E-10	6.25E-08	3.06E-07	6.00E-07	8.26E-07	9.62E~07
5	2	67	66	12039.83	2	6072.66	1.6467	0.0400	0.0	0.0	0.0	1.98E-10	2.67E-09	1.42E-08
3	0	27	28	1488.80	2	6072.76	1 +6467	0.0400	1.69E-08	2.97E-07	6.31E-07	8.16F-07	8.75E-07	8.62E~07
7	4	55	54	13862.29	ı	6072.78	1.6467	0.0400	0.0	0.0	0.0	5.536-09	1.16E-07	8.25E-07
5	2	23	24	5390.41	1	6072.86	1.6467	0.0412	0.0	2.39E-08	1.15E-06	7.08E-06	1.945-05	3.57E-05
7	4	13	12	8703.29	1	6073.17	1.6466	0.0540	0.0	0.0	1.725-08	3.98E-07	2.42F-06	7.556-06
4	1	85	84	14815.63		6073.89	1.6464	0.0400	0.0	0.0	0.0	0.0	1 - 15E-10	9.56E~10
5	2	4	3	4188.48	2	6074.39	1.6463	0.0676	0.0	9.88E~10	1.82F-08	6.90E-08	1.41E-07	2.15E-07
4			102	21476.80	1	6074.76	1.6462	0.0400	0.0	0.0	0.0	0.0	0.0	6.98E-10
6	3	77	76	17082.96	1	6075.02	1.6461	0.0400	0.0	0.0	0.0	1.20F-10	5.44E-09	6.50E~08
7	4	54	53	13666.09	1	6075.06	1.6461	0.0400	0.0	0.0	0.0	6.81E-09	1.36E-07	9.38E-07
7	4	14	13	8751.40	1	6075.39	1.6460	0.0528	0.0	0.0	1.74E-08	4.09E-07	2.51F-06	7.91E~06
3	0	44	45	3953.41	1	6075.65	1.6459	0.0400	0.0	1.076~07	1.63E-06	5.65E-06	1.10E-05	1.61E-05
6	3	8	9	6518.68	1	6075.82	1.6459	0.0550	0.0	1.446-09	1.71E-07	1.66E-06	5.95E-06	1.316-05
5	2	66	65	11808.00	2	6075.91	1.6458	0.0400	0.0	0.0	Q • O	2.54E-10	3.24E-09	1.66F-08
4	1	34	35	4533.94	1	6076.38	1.6457	0.0400	0.0	9.38E-08	2.28E-06	9.95F-06	2.225-05	3.57E-05
4	1	13	14	2478.38	2	6076.64	1.6456	0.0528	3.56E-10	6.71E-08	3.15E-07	6.03E-07	8.21E-07	9.47E-07
7	4	53	52	13473.39	1	6077.23	1.6455	0.0400	0.0	0.0	0.0	8.33E-09	1.59E-07	1.06E-06
7	4	15	14	8803.20	1	6077.51	1.6454	0.0517	0.0	0.0	1.73E-08	4.17E-07	2.59E-06	8.22E-06
5	2	5	4	4202.92		6077.51	1.6454	0.0645	0.0	1.21E-09	2.25E-08	8.58F-08	1.77E-07	2.686-07
5	2	91	90	19305.50	1	6077.96	1.6453	0.0400	0.0	0.0	0.0	0.0	4.37E-10	7.44E-09
5	2	22	23	5300.14	1	6079.01	1.6450	0.0423	0.0	2.87E-08	1.29E-06	7.64E-06	2.05E-05	3.72E-05
3	0	26	27	1386.36	2	6079.03	1.6450	0.0400	2.70E-08	3.71E-07	7.26E-07	9.00E-07	9.42E-07	9.13E-07
5	2	65	64	11579.50	2	6079.06	1.6450	0.0400	0.0	0.0	0.0	3.24E-10	3.91E-09	1.945-08

VU	VL	JU	JL	LOWER State	CODE	WAVE Number	WAVE LENGTH	HĂĹF WIDTH	*******	** INTEGRATI	ED ** ABSORE		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
4	1	84	83	14522.95	2	6079.06	1.6450	0.0400	0.0	0.0	0.0	0.0	1.49F-10	1.18E-09
7	4	52	51	13284.19	1	6079.28	1.6449	0.0400	0.0	0.0	0.0	1.015-08	1.85E-07	1.20F-06
7	4	16	15	8858.70	1	6079.52	1.6449	0.0505	0.0	0.0	1.71F-08	4.20E-07	2.64E-06	8.48F-06
6	3	76	75	16809.55	1	6079.78	1.6448	0.0400	0.0	0.0	0.0	1.63E-10	6.90E-09	7.88E-08
6	3	7	8	6485.03	1	6080.40	1.6446	0.0574	0.0	1.40E-09	1.62E-07	1.55E-06	5.51E-06	1.21E-05
5	2	6	5	4220.97	2	6080.53	1.6446	0.0621	0.0	1.41E-09	2.65E-08	1.02E-07	2.116-07	3.21F-07
7	4	51	50	13098.50	1	6081.23	1.6444	0.0400	0.0	0.0	0.0	1.235-08	2.14E-07	1.35E-06
7	4	17	16	8917.88	1	6081.42	1.6444	0.0493	0.0	0.0	1.67E-08	4.20E-07	2.68E-06	8.68E-06
4	1	12	13	2427.44	2	6081:55	1.6443	0.0540	4.26E-10	7.11E-08	3.20E-07	6.02E-07	8.08E-07	9.25E-07
5	2	64	63	11354.33	2	6082.11	1.6442	0.0400	0.0	0.0	0.0	4 . 1 2E-10	4.71E-09	2.25E-08
4	1	102	101	21114.38	1	6082.53	1.6441	0.0400	0.0	0.0	0.0	0.0	0.0	9.11E-10
7	4	50	49	12916.32	1	6083.06	1.6439	0.0400	0.0	0.0	1.19E-10	1.48E-08	2.47F-07	1.52E-06
7	4	18	17	8980.75	1	6083.21	1.6439	0.0482	0.0	0.0	1.61E-08	4.176-07	2.70E-06	8.83E-06
5	2	7	6	4242.63	2	6083.45	1.6438	0.0597	0.0	1.59E-09	3.02E-08	1.17E-07	2.44E-07	3.73E-07
4	1	33	34	4401.64	1	6083.67	1.6437	0.0400	0.0	1.26E-07	2.75E-06	1.14E-05	2.47E-05	3.88F-05
3	0	43	44	3782.62	1.	6083.97	1.6437	0.0400	0.0	1.59E-07	2.11E-06	6.84F-06	1.27E-05	1.82E-05
4	1	83	82	14233,45	2	6084.12	1.6436	0.0400	0.0	0.0	0.0	0.0	1.92E-10	1.45E-09
5	2	90	89	18983.73	1	6084.33	1.6436	0.0400	0.0	0.0	0.0	0.0	5.78E-10	9.36E-09
6	3	75	74	16539.45	1	6084.43	1.6435	0.0400	,0 • 0	0.0	0.0	2.19E-10	B.71E-09	9.54E-08
7	4	49	48	12737.67	1	6084.78	1.6434	0.0400	0.0	0.0	1.54E-10	1.78F-08	2 • 85E-07	1.70F-06
6	3	6	7	6455.12	1	6084.87	1.6434	0.0597	0.0	1.33E-09	1.50E-07	1.42E-06	5.01E-06	1.09E-05
7	4	19	18	9047.30	1	6084.90	1.6434	0.0470	0.0	0.0	1.55€-08	4.10F-07	2.70E-06	8.93E-06
5	2	63	62	11132.49	2	6085.04	1.6434	0.0400	0.0	0.0	0.0	5.22E-10	5.65E-09	2.60E-08
5	2	21	22	5213.61	1	6085.05	1.6434	0.0435	0.0	3.42E-08	1.43E-06	8.20E-06	2:15E-05	3.856-05
3	0	25	26	1287.55	2	6085.22	1.6433	0.0400	4.22E-08	4.58E-07	8.28E-07	9.87E-07	1.01F-06	9.635-07
5	2	. 8	7	4267.90	2	6086.27	1.6430	0.0574	0.0	1.72E-09	3.36E-08	1.32E-07	2.75E-07	4.235-07
4	1	11	12	2380.12	2	6086.36	1.6430	0.0542	4.99E-10	7.43E-08	3.225-07	5.93E-07	7.88E-07	8.96E-07
7	4	48	47	12562.54	1	6086.38	1.6430	0.0400	0.0	0.0	1.97E-10	2.13E-08	3.26E-07	1.89F-06
7	4	20	19	9117.53	1	6086.48	1.6430	0.0458	0.0	0.0	1.47E-08	4.01F-07	2.69E-06	8.98E-06
5 7	2	62	61	10914.00	2	6087.87	1.6,426	0.0400	0.0	0.0	0.0	6.57E-10	6.76E-09	3.00E-08
	4	47	46	12390.96	1	6007.88	1.6426	0.0400	0.0	0.0	2.51E-10	2.54F-0B	3.72F-07	3.10E-06
7 3	0	21	20	9191.44	ī	6087.95	1.6426	0.0447	0.0	0.0	1.38E-08	3.89E-07	2.65E-06	8.98E-06
6	3	96 74	95	16294-18	2	6088.54	1.6424	0.0400	0.0	0.0	0.0	0.0	0.0	9.43E-11
5			73	16272.68	1	6088.96	1.6423	0.0400	0.0	0.0	0.0	2.94E-10	1.10E-08	1.15E-07
4	2	9 82	8 81	4296.77	2	6088.99	1.6423	0.0550	0.0	1.82E-09	3.656-08	1.45E-07	3.05E-07	4.71E-07
6	3	5	6	13947.12 6428.95	2	6089.07	1.6423	0.0400	0.0	0.0	0.0	0.0	2.47E-10	1.79E-09
7	4	46	45	12222.92	1	6089.23	1.6422	0.0621	0.0	1.23F-09	1.35E-07	1.26E-06	4.44E~06	9.65E-06'
7	4	22	21	9269.02	i	6089.26 6089.31	1.6422	0.0400	0.0	0.0	3.18E-10	3.00E-08	4.23E-07	2.32F-06
4	· 1		100	20755.00	1	6090.17		0.0435	0.0	0.0	1.29E-08	3.75E-07	2.61E-06	8.93E-06
7	4	45	44	12058.43	1	6090.53	1.6420	0.0400	0.0	0.0	0.0	0.0	0.0	1.195-09
7	4	23	22	9350.27	î	6090.57	1.6419 1.6419	0.0400 0.0423	0.0	0.0	4.00E-10	3.54E-0B	4.79E-07	2.56E-06
5	2	89	88	18665.15	i	6090.58	1.6419	0.0400	0.0	0.0	1.20E-08	3.60E-07	2.55E-06	8.83F-06
5	2	61	60	10698.87	2	6090.60	1.6419	0.0400	0.0 0.0	0.0	0.0	0.0	7-695-10	1 • 1 8E-0 B
4	ī	32	33	4273.06	1	6090.86	1.6418	0.0400			0.0	8.24E-10	8.05E-09	3.46E-08
5	ż	20	21	5130.82	1	6091.00	1.6418	0.0447	0.0	1.68E-07 4.02E-08	3.31E-06 1.57E-06	1.30E-05 8.73E-06	2.73E-05 2.25E-05	4.20E-05 3.97E-05
4	1	10	11	2336.44	2	6091.08	1.6417	0.0545	5.69E~10	7.63E-08	3.19E-07	5.79E-07	7.615-07	
3	ō		110	22554.35	ī	6091.27	1.6417	0.0400	0.0	0.0	0.0	0.0	0.0	8.59E-07 8.63E-11
3	ŏ	24	25	1192.36	2	6091.30	1.6417	0.0400	6.48E-08	5.59E-07	9.38E-07	1.085-06	1.08E-06	1.01E-06
5	ž	10	9	4329.25	2	6091.62	1.6416	0.0547	0.0	1.89E-09	3.90E-08	1.57E-07	3.32E-07	5.1SE-07
7	4	44	43	11897.51	ī	6091.69	1.6416	0.0400	0.0	0.0	5.00E-10	4.15E-08	5.41E-07	2.82E-06
7	4	24	23	9435.20	ī	6091.72	1.6416	0.0412	0.0	0.0	1.10E-08	3.42F-07	2.47E-06	8.69E-06
3	0		43	3615.54		6092.19	1.6414	0.0400	0.0	2.33E-07	2.72E-06	8.24F-06	1.475-05	2.05E-05
					_							27A. 00		

٧u	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIOTH	******	** INTEGRATE	ED ** ABSORI		FFICIENT *	****
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
				ENERGI		CM-1	MICKON	116	1 = 300	1 - 000	,,,,	. –	. = 1500	
7	4	43	42	11740.14	1	6092.74	1.6413	0.0400	0.0	0.0	6.21E-10	4.84E-08	6.07E-07	3.09E-06
7	4	25	24	9523.78	1	6092.75	1.6413	0.0400	0.0	0.0	1.01E-08	3.24E-07	2.39E-06	8.52E-06
5	2	60	59	10487.10	2	6093.21	1.6412	0.0400	0.0	0.0	0.0	1.03E-09	9.556-09	3.96E-08
6	3	73	72	16009.24	ī	6093.38	1.6411	0.0400	0.0	0.0	0.0	3.93F-10	1.38E-08	1.38E-07
6	3	4	5	6406.52	1	6093.50	1.6411	0.0645	0.0	1.09E-09	1.18E-07	1.09E-06	3.81E-06	8.26E-06
7	4	26	25	9616.03	ī	6093.68	1.6410	0.0400	0.0	0.0	9.12E-09	3.04E-07	2.30E-06	8.31E-06
7	4	42	41	11586.35	ī	6093.68	1.6410	0.0400	0.0	0.0	7.66E-10	5.61E-08	6.79E-07	3.37E-06
4	1	81	80	13663.99	â	6093.91	1.6410	0.0400	0.0	0.0	0.0	0.0	3.17E-10	2.19E-09
5	2	11	10	4365.34	2	6094.14	1.6409	0.0545	0.0	1.93E-09	4.09E-08	1.67E-07	3.57E-07	5.57E-07
7	4	41	40	11436.14	ī	6094.51	1.6408	0.0400	0.0	0.0	9.40F-10	6.48E-08	7.575-07	3.66E-06
7	4	27	26	9711.93	i	6094.51	1.6408	0.0400	0.0	0.0	8.20E-09	2.84E-07	2.19E-06	8.06E-06
3	Ö	95	94	15964.29	â	6094.89	1.6407	0.0400	0.0	0.0	0.0	0.0	0.0	1.20E-10
7	4	40	39	11289.51	ĩ	6095.22	1.6406	0.0400	0.0	0.0	1.14E-09	7.45E-08	B.40E-07	3.975-06
7	4	28	27	9811.48	î	6095.22	1.6406	0.0400	0.0	0.0	7.32E-09	2.64E-07	2.09E-06	7.80E-06
4	1	9	10	2296.39	ž	6095.69	1.6405	0.0547	6.33E-10	7.71E-08	3.12F-07	5.576-07	7.26E-07	8 - 1 4E-07
5	2	59	58	10278.70	2	6095.73	1.6405	0.0400	0.0	0.0	0.0	1.29E-09	1 . 14E-08	4.56E-08
7	4	29	28	9914.69	1	6095.82	1.6405	0.0400	0.0	0.0	6.49E-09	2.44E-07	1.98E-06	7.50E-06
7	4	39	38	11146.46	_	6095.83	1.6405	0.0400	0.0	0.0	1.39E-09	8.51E-08	9.28E-07	4.29E-06
7	4	38	37	11007.02	î	6096.32	1.6403	0.0400	0.0	0.0	1.67E-09	9.68E-08	1.02E-06	4.61E-06
7	4	30	29	10021.54	1	6096.32	1.6403	0.0400	0.0	0.0	5.71E-09	2.24E-07	1.86E-06	7.19E-06
ร์	2	12	11	4405.02	2	6096.57	1.6403	0.0542	0.0	1.94F-09	4.24E-08	1.76E-07	3.79E-07	5.96E-07
7	4	31	30	10132.03	ı	6096.70	1.6402	0.0400	0.0	0.0	5.02E-09	2.05E-07	1.76E-06	6.90E-06
7	4	37	36	10871.18	1	6096.71	1.6402	0.0400	0.0	0.0	1.995-09	1.10E-07	1.12E-06	4.94E-06
5	2	88	87	18349.76	i	6096.71	1.6402	0.0400	0.0	0.0	0.0	0.0	1.02E-09	1.49E-08
5	2	19	20	5051.77	i	6096.84	1.6402	0.0458	0.0	4.68E-08	1.72E-06	9.24E-06	2.33E-05	4.07E-05
7	4	32	31	10246.16	ì	6096.98	1.6402	0.0400	0.0	0.0	4.38E-09	1.88E-07	1.65E-06	6.59E-06
7	4	36	35	10738.94	1	6096.98	1.6402	0.0400	0.0	0.0	2.36E-09	1.23E-07	1.22E-06	5.28E-06
7	4	35	34	10610.31	1	6097.14	1.6401	0.0400	0.0	0.0	2.78E-09	1.38E-07	1.32E-06	5.61E-06
7	4	33	32	10363.92	i	6097-14	1.6401	0.0400	0.0	0.0	3.79E-09	1.70E-07		6.27E-06
7	4	34	33	10485.30		6097.20	1.6401	0.0400	0.0	0.0	3.26E-09	1.54E-07	1.43E-06	5.94E-06
3	0	23	24	1100.81	1 2	6097.29	1.6401	0.0412	9.76E-08	6.76E-07	1.05E-06	1-17E-06	1.145-06	1.06E-06
6	3	3	4	6387.82	1	6097.66	1.6400	0.0676	0.0	9.19E-10	9.81E-08	9.00E-07	3.13E-06	6.77E~06
	3	72	71	15749.16	1	6097.68	1.6400	0.0400	0.0	0.0	0.0	5.23E-10	1.72E-08	1.66E-07
6	_	100		20398.68	-	6097.69	1.6400	0.0400	0.0	0.0	0.0	0.0	0.0	1.54E-09
4	1		99		1		1.6399	0.0400	0.0	2.21E-07	3.94E-06	1.48E-05	3.01E-05	4.54E-05
4	1	31	32	4148.21	1	6097.95	1.6399	0.0400	0.0	0.0	0.0	1.60E-09	1.35E-08	5.23E-08
5	2	58	57 79	10073.68	2	6098.13	1.6398	0.0400	0.0	0.0	0.0	0.0	4.05E-10_	2.67E-09
4	1	80		13384.06	2	6098.65	1.6396	0.0540	0.0	1.92E-09	4.34E-08	1.83E-07	3.99E-07	6.31E-07
5 3	2	13	12	4448.31	2 1	6098.89	1.6396	0.0400	.0.0	0.0	0.0	0.0	0.0	1.15E-10
4	-	110	109	22164.27	2	6099.97	1.6393	0.0550	6.85E-10	7.65E-08	3.01E-07	5.29E-07	6.83E-07	7.61E-07
	1	41	42	2259.98		6100.21 6100.31	1.6393	0.0400	1.75E-10	3.40E-07	3.48E-06	9.87E~06	1.70E-05	2.30E-05
3	0			3452.15	1			0.0400	0.0	0.0	0.0	1.98E-09	1.59E-08	5.98E-08
5	2	57	56	9872.04	2	6100.43	1.6392			1.86E-09	4.38E~08	1.88E-07	4.15E-07	6.61E-07
5	2	14	13	4495.20	2	6101.11	1.6390 1.6390	0.0528 0.0400	0.0	0.0	0.0	0.0	0.0	1.51E-10
3	0	94	93	15637.47	2	6101-13				7.20E-10	7.60E-08	6.93E-07	2.40E-06	5.18E-06_
6	3	2	3	6372.86	1	6101.71	1.6389 1.6388	0.0707 0.0400	0.0	0.0	0.0	6.93E-10	2.14E-08	1.98E-07
6	3	71	70	15492.44		6101.87		0.0470	0.0	5.38E-08	1.86E-06	9.71E~06	2.41E-05	4.15E-05
5	2	18	19 55	4976.46	1	6102.58	1.6387 1.6386	0.0470	0.0	0.0	0.0	2.455-09	1.87E-08	6.81E-08
5	2	56		9673.80	2	6102.63	1.6386	0.0400	0.0	0.0	0.0	0.0	1.34E-09	1.87E-08
5	2	87	86	18037.58		6102.73			1.44E-07	8.09E-07	1.18E-06	1.26E~06	1.20E-06	1.10E-06
3	0	22	23	1012.90	2	6103.19	1.6385 1.6385	0.0423 0.0517	0.0	1.79E-09	4.38E-08	1.20E-05	4.28E-07	6.88E-07
5	2	15	14	4545.69		6103.24		0.0400		0.0	0.0	0.0	5.15E-10	3.25E-09
4	1	79	78	13107.35		6103.28	1.6385	0.0460	0.0 7.19E-10	7.42E-08	2.85E-07	4.94E-07	6.32E-07	7.01E-07
4	1	7	8	2227.21	2	6104.64	1.6381	440214	10196-10		5.60E-01		0.05	

Value Valu													3.1		
STATE NUMBER LENGTH NOTH T = 500 T = 100 T = 120 T = 1500 T	VU	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	K# INTEGRATE	TO ** ABSOR	PTION ** COS	FETCIENT #:	****
Second Color										***********				-17 (61614) **	****
\$ 2 55 54 \$\frac{9.7}{4.1}\$ 30 31 \$\frac{4027.09}{4.0}\$ 2 6104.71 \$\frac{16.20}{4.0}\$ 0.0400 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$										T == 300	T = 600			T - 1500	T - 1800
4 1 30 31 4027.09 1 6104.94 1.6380 0.0400 0.0 2.05E-07 4.67E-06 1.67E-05 3.30E-05 4.08E-05 1.07E-06 1.07E-05 2.05E-06 1.07E-05 2.07E-05 2.								***************************************	114	. – 500	1 - 000	1 - 300	1 - 1200	1 - 1700	1 - 1000
4 1 30 31 4027.09 1 6104.94 1.6380 0.0400 0.0 2.05E-07 4.67E-06 1.67E-05 3.30E-05 4.08E-05 1.07E-06 1.07E-05 2.05E-06 1.07E-05 2.07E-05 2.															,
4 1 30 31 4027.99 1 6104.94 1.6380 0.0400 0.0 2.65E-07 4.67E-05 1.67E-05 3.30E-05 4.88E-05 1.05E-05 1.05E-05 0.0400 0.0 0.0 0.0 1.00E-05 1.05E-05 1.05E-05 0.0400 0.0 0.0 0.0 1.00E-05 1.05E-05	5	2	55	54	9478.96	2	6104.71	1.6381	0.0400	0.0	0.0	0.0	3.00E-09	2.19E-08	7.74E-08
\$ 1 99 98 20454.44 1 6105.10 1.6330 0.0000 0.0 0.0 0.0 0.0 0.0 1.70E-09 4.33E-001 1.04E-07 1.63E-06 3.51E-06 0.0 1.70E-09 4.33E-001 1.04E-07 1.63E-06 3.51E-06 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4	1	30	31	4027.09	1	6104.94	1.6380	0.0400	0.0	2.89E-07	4.67E-06	1.676-05		
5 2 16 15 4599.77 2 6105.26 1.6379 0.0305 0.0 1.70F-09 4.33E-00 1.94E-07 4.36E-07 7.11E-07 6.3 1 2 6361.64 1.6377 0.0738 0.0 1.40F-07 0.0 0.0 0.0 0.0 0.15E-10 2.66E-08 2.36E-08 7.0 0.0 0.0 0.0 0.0 0.0 0.15E-10 2.66E-08 2.36E-07 7.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	4	1	99	98	20045.44	1	6105.10	1.6380	0.0400	0.0	0.0	0.0	0.0		
6 3 1 2 6361.64 1 6105.66 1.6378 0.0738 0.0 4.97E-10 5.20E-08 4.72E-07 1.63E-06 3.51E-06 0 3.70E-01 0.0 91.52E-10 2.66E-08 2.25E-07 1.63E-07 1.63E-	5	2	16	15	4599.77	2	6105.26	1.6379	0.0505	0.0	1.70E-09	4.33E-08	1.94E-07	4.39E-07	
6 3 70 69 19239-10 1 6105-94 1.6377 0.0400 0.0 0.0 0.0 0.0 9.13E-10 2.66E-08 2.35E-07 8 7.65E-08 5 2 17 16 4657.45 2 6107.19 1.6376 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	6	3	1	2	6361.64	1	6105.66	1.6378	0.0738	0.0	4.97E-10	5.20E-08		,	
5 2 54 53 9287.54 2 6106.70 16374 0.0403 0.0 1.596-09 4.246-06 1.948-07 4.666-07 7.256-07 3.0 0.9 0.0 1.596-09 4.246-06 1.948-07 4.666-07 7.256-07 3.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	6	3	70	69	15239.10	1	6105.94	1.6377	0.0400	0.0	0.0	0.0			
5 2 17 16 4657.45 2 6107.19 1.6374 0.0493 0.0 1.59E-09 4.24E-08 1.94E-07 7.29E-07 3 0.93 92 15313.73 2 6107.26 16.374 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5	2	54	53	9287.54	2	6106.70	1.6375	0.0400	0.0	0.0	1.26E-10			,
3 0 93 92 15313,73 2 6107.26 1.6373 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.91E-10 1.0373 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5	2	17	16	4657.45	2	6107.19	1.6374	0.0493	0.0	1.59E-09	4.24E-08			
1 78 77 12833.66 2 6107.79 1.6371 0.0402 0.0 0.0 0.0 0.0 0.0 6.54E-10 3.95E-09 2 17 18 4909.00 1 6108.22 1.6371 0.0402 0.0 0.0 0.0 0.0 1.10E-05 2.47E-05 4.21E-05 3 0 40 41 3292.48 1 6108.34 1.6371 0.0400 0.0	3	0	93	92	15313.73	2	6107.26	1.6374	0.0400	0.0	0.0	0.0			
5 2 17 18 4904-90 1 6108-32 1.6371 0.0482 0.0 6.11E-08 2.00E-06 1.01E-05 2.47E-05 4.21E-05 3 0 109 108 21777.14 1 6108.54 1.6371 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.58E-10 2.57E-05 2.53 52 9099.53 2 6108.59 1.6370 0.0400 0.0 0.0 0.0 1.65E-10 4.47E-09 2.97E-08 9.89E-08 2.57E-05 2.53 52 9099.53 2 6108.59 1.6370 0.0400 0.0 0.0 0.0 1.65E-10 4.47E-09 2.97E-08 9.89E-08 2.37E-05 2.53 52 9099.53 2 6108.59 1.6370 0.0400 0.0 0.0 0.0 1.65E-10 4.47E-09 2.97E-08 9.89E-08 2.38E-08 2.38E-0	4	1	78	77	12833.86	2	6107.79	1.6373	0.0400	0.0	0.0				
3 0 40 41 3292.48 1 6108.34 1.6371 0.0400 3.70E-10 4.91E-07 4.42E-06 1.18E-05 1.95E-05 2.57E-05 3 0 109 108 2177.14 1 6108.54 1.6371 0.0400 0.0 0.0 0.0 1.65E-10 4.47E-09 2.97E-08 9.89E-08 5 2.65 52 9099.53 2 6108.65 1.6370 0.0400 0.0 0.0 1.65E-10 4.47E-09 2.97E-08 9.89E-08 5 2.65 52 80 85 1772.96 2.6108.65 1.6370 0.0400 0.0 0.0 0.0 1.65E-10 4.47E-09 2.97E-08 9.89E-08 5 2.65 52 80 85 1772.96 2.6108.95 1.6370 0.0400 0.0 0.0 0.0 0.0 1.75E-09 2.97E-08 9.89E-08 5 2.65E-07 1.30E-07 4.52E-07 5.74E-07 6.34E-08 1.6360 0.0452 0.0555 7 7.30E-10 7.03E-08 2.63E-07 4.52E-07 5.74E-07 6.34E-08 1.62E-06 1.162E-06 1.	5	2	17	18	4904.90	1	6108.22	1.6371	0.0482	0.0	6.11E-08	2.00E-06			
3	3	0	40	41	3292.48	1	6108.34	1.6371	0.0400	3.70E-10					
5 2 83 52 9099.53 2 6108.58 1.6370 0.0400 0.0 0.0 1.65E-10 4.47E-09 2.97E-08 9.89E-08 1 6 65 17726.62 1 6108.63 1.6370 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 1.77E-09 2.34E-08 4 1 6 7 2198.07 2 6108.09 1.6369 0.0455 2.09E-07 7.30E-10 7.03E-08 2.63E-07 4.52E-07 5.74E-07 6.34E-07 6.	3	0	109	108	21777.14	1	6108.54	1.6371	0.0400	0.0	0.0	0.0	0.0	0.0	
\$ 2 66 65 17728-62 1 6108-63 1.6357 0.0400 0.0 0.0 0.0 0.0 1.77E-09 2.3aE-08 1 6 7 2199-07 2 98-62 2 6108-96 1.63569 0.0597 7.30E-10 7.03E-08 2.63E-07 1.30E-06 1.34E-06 1.26E-06 1.14E-06 5 2 18 17 4718-72 2 6109-01 1.63569 0.0482 0.0 1.47E-09 4.11E-08 1.39E-07 7.43E-07 6 3 0 1 6354-16 1 6109-50 1.6356 0.0769 0.0 2.55E-10 2.66E-08 2.40E-07 8.30E-07 1.78E-06 6 3 69 68 1999-13 1 6109-50 1.6356 0.0400 0.0 0.0 0.0 0.0 1.20E-09 3.44E-06 1.11E-07 5 2 52 51 6914-94 2 6110-35 1.6356 0.0470 0.0 0.0 0.0 0.0 1.38E-05 3.82E-08 2.80E-07 1.53E-07 1.53E		2	53	52	9099.53	2	6108.58	1.6370	0.0400	0.0	0.0	1.65E~10			
4 1 6 7 2199.07 2 6108.96 1.6369 0.0457 7.30E-10 7.03E-08 2.63E-07 4.53E-07 6.33E-07 7.33E-07	5	2	86	85	17728.62	1	6108.63	1.6370	0.0400	0.0	0.0				
\$ 2 18 17 4718.72 2 6108.99 1.6369 0.0435 0.09E-07 9.58E-07 1.30E-06 1.34E-06 1.26E-06 1.45E-06 0.0 1.47E-09 4.11E-07 4.57E-07 4.	4	1	6	7	2198.07	2	6108.96	1.6369	0.0597	7.30E-10	7.03E-08	2.635-07	4.52E-07		
5 2 18 17 4718.72 2 6109.01 1.6369 0.0482 0.0 1.47E-09 4.11E-08 1.93E-07 4.50E-07 7.43E-07 6 3 0 1 6354.16 1 6109.50 1.6368 0.0769 0.0 2.55E-10 2.66E-08 2.00E-07 8.30E-08 2.00E-07 7.53E-07 7.53E-07 8.00E-07 7.53E-07 8.00E-07 7.53E-07 8.00E-07 7.53E-07 8.00E-07 7.53E-07 8.00E-07 7.53E-07 8.00E-07 8.00E-07 7.53E-07 8.00E-07 8.0	3,	0	21	22	928.62	. 2	6108.99	1.6369	0.0435	2.09E-07	9.58E-07				
6 3 0 1 6354.16 1 6109.50 1.6368 0.0769 0.0 2.55E-10 2.66E-08 2.40E-07 8.30E-07 1.78E-06 6 3 69 68 14989.13 1 6109.99 1.6356 0.0400 0.0 0.0 0.0 1.20E-09 3.28E-08 2.80E-07 1.78E-06 5 2 52 51 8914.94 2 6110.35 1.6366 0.0400 0.0 0.0 2.15E-10 5.41E-09 3.44E-08 1.11E-07 7.763E-07 4 1 29 30 3909.71 1 6111.64 1.6362 0.0400 0.0 0.0 3.73E-07 5.50E-08 1.91E-07 4.51E-07 7.763E-07 4 1 29 30 3909.71 1 6111.64 1.6362 0.0400 0.0 0.0 2.75E-10 6.52E-09 3.96E-05 5.23E-05 5.23E-05 5.20E-05 1.6360 0.0400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			18	17	4718.72	2	6109.01	1.6369	0.0482	0.0	1.47E-09	4.11E-08	1.93E-07		
6 3 69 68 14989.13 1 6109.90 1.6357 0.0400 0.0 0.0 0.0 1.20E-09 3.28E-08 2.80E-07 5 2 52 51 8914.94 2 6110.35 1.6356 0.0400 0.0 0.0 2.15E-10 5.41E-09 3.44E-08 1.11E-07 7.53E-07 5.52E-07 4.93E-07 4.51E-07 7.53E-07 5.52E-07 4.93E-07 4.51E-07 7.53E-07 5.52E-07 4.93E-07 7.53E-07 5.52E-07 5.52E-	6		0	1	6354.16	1	6109.50	1.6368	0.0769	0.0	2.55E-10	2.66E-08	2.40E-07	8.30E-07	
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	-7	•				•	3417033	140371	V+V*VV	0.0	. • • •		₀ • 6	1+32E-10	3.30E-03

Vυ	٧L	JŲ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSOR CM-2*		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
5	2	45	44	7719.30	2	6119.83	1.6340	0.0400	0.0	0.0	1.16E-09	1.81E-08	8.67E-08	2.31E-07
5	2	26	25	5337.91	2	6119.97	1.6340	0.0400	0.0	5.20E-10	2.40E-08	1.44E-07	3.89E-07	7.10E-07
5	2	84	83	17120.41	1	6120.07	1.6340	0.0400	0.0	0.0	0.0	0.0	3.03E-09	3.64F-08
3	0	19	20	771.00	2	6120.31	1.6339	0.0458	4.14E-07	1.30E-06	1.56E-06	1.51E-06	1.36E-06	1.20E-06
6	3	2	1	6354.16	1	6120.41	1.6339	0.0738	0.0	5.28E-10	5.50E-08	4.97E-07	1.725-06	3.69E-06
4	ī	75	74	12032-87	2	6120.70	1.6338	0.0400	0.0	0.0	0.0	0.0	1.31E-09	6.94E-09
5	2	44	43	7562.35		6120.76	1.6338	0.0400	0.0	0.0	1.45E-09	2.12E-08	9.74E-08	2.54E-07
5	2	27	26	5431.39	2	6120.89	1.6337	0.0400	0.0	4.36E-10	2.16E-08	1.35E-07	3.73E-07	6.90E-07
6	3	66	65	14259.63	ī	6121.08	1.6337	0.0400	0.0	0.0	0.0	2.64E-09	6.06E-08	4.61E-07
4	1	3	4	2132.50	2	6121.36	1.6336	0.0676	5.88E-10	4.83E-08	1.72E-07	2.87E-07	3.59E-07	3.92E-07
5	ž	43	42	7408.88	2	6121.60	1.6336	0.0400	0.0	0.0	1.78E-09	2.46E-08	1.09E-07	2.77E-07
5	2	28	27	5528.43		6121.70	1.6335	0.0400	0.0	3.61E-10	1.94F-08	1.26E-07	3.56E-07	6.69E-07
5	2	42	41	7258.90	2	6122.33	1.6334	0.0400	0.0	0.0	2.19E-09	2.84E-08	1.21E-07	3.01E-07
5	2	29	28	5629.04	2	6122.41	1.6333	0.0400	0.0	2.97E-10	1.73E-08	1.17E-07	3.38E-07	6.45E-07
5	2	41	40	7112.42	2	6122.95	1.6332	0.0400	0.0	0.0	2.67E-09	3.26E-08	1.356-07	3.26E-07
5	2	30	29	5733.20	2	6123.02	1.6332	0.0400	0.0	2.41E-10	1.53E-08	1.08E-07	3-19E-07	6.20E-07
5	2	40	39	6969.43		6123.47	1.6331	0.0400	0.0	0.0	3.23E-09	3.735-08	1.49E-07	3.52E-07
5	2	31	30	5840.91	2	6123.53	1.6330	0.0400	0.0	1.96E-10	1.356-08	9.91E-08	3.02E-07	5.96E-07
6	3	3	2	6361.64	1	6123.84	1.6330	0.0707	0.0	7.89E-10	8.25E-08	7.49E-07	2.59E-06	5.57E-06
5	2	39	38	6829.95	2	6123.89	1.6329	0.0400	0.0	0.0	3.89E-09	4 - 24E-08	1.64E-07	3.79E-07
5	2	32	31	5952-17		6123.93	1.6329	0.0400	0.0	1.57E-10	1.18E-08	9.08E-08	2.84E-07	5.71E-07
3	ō	38	39	2984.30	1	6124.09	1.6329	0.0400	1.57E-09	9.95E-07	7.00E-06	1.65F-05	2.53E-05	3.186-05
5	2	38	37	6693.98	2	6124.21	1.6329	0.0400	0.0	0.0	4.64E-09	4.80E-08	1 - 80E-07	4.07E-07
5	2	33	32	6066.97	2	6124.24	1.6329	0.0400	0.0	1.25E-10	1.03E-08	8.27E-08	2.66E-07	5.45E-07
5	2	37	36	6561.53	2	6124.42	1.6328	0.0400	0.0	0.0	5.52E-09	5.41F-08	1.96E-07	4.35E-07
5	2	34	33	6185.32	2	6124.43	1.6328	0.0400	0.0	0.0	8.88E-09	7.50E-08	2.48E-07	5.18E-07
5	2	14	15	4712.73	1	6124.53	1.6328	0.0517	0.0	8.32E-08	2.33E-06	1.09E-05	2.55F-05	4.21E-05
5	2	35	34	6307.19	2	6124.53	1.6328	0.0400	0.0	0.0	7.63E-09	6.76E-08	2.30E-07	4.90E-07
5	2	36	35	6432.60	2	6124.53	1.6328	0.0400	0.0	0.0	6.51E-09	6.07E-08	2.13E-07	4.63E-07
6	3	65	64	14023.30	1	6124.58	1.6328	0.0400	0.0	0.0	0.0	3.40F-09	7.39E-08	5.41E-07
4	1	74	73	11772.40		6124.78	1.6327	0.0400	0.0	0.0	0.0	1.29F-10	1.635-09	8.33E-09
3	ō	90	89	14361.15	`2	6124.99	1.6327	0.0400	0.0	0.0	0.0	0.0	0.0	3.75E-10
4	1	2	3	2117.93		6125.30	1.6326	0.0707	4.77E-10	3.79E-08	1,335-07	2.21E-07	2.76E-07	3.00E-07
3	0		106	21011.81	1	6125.32	1.6326	0.0400	0.0	0.0	0.0	0.0	0.0	2.72E-10
4	ī	27	28	3686.17	ī	6125.32	1.6326	0.0400	1.78E-10	6.09F-07	7.51E-06	2.34E-05	4.26E-05	5.97E-05
5	2	83	82	16821.19	1	6125.62	1.6325	0.0400	0.0	0.0	0.0	0.0	3.95E-09	4.52E-08
3	0	18	19	697.65	2	6125.83	1.6324	0.0470	5.65E-07	1.49E-06	1.68E-06	1.58E-06	1.40E-06	1.22E-06
4	1	96	95	19004.32	1	6126.59	1.6322	0.0400	0.0	0.0	0.0	0.0	2.61E-10	4.24E-09
6	3	4	3	6372.86	1	6127.16	1.6321	0.0676	0.0	1.04E-09	1.09E-07	9.97E-07	3.46E-06	7.45E-06
6	3	64	63	13790.39	1	6127.96	1.6319	0.0400	0.0	0.0	0.0	4.36E-09	8.96E-08	6.32E-07
4	1	73	72	11515.21	2	6128.76	1.6317	0.0400	0.0	0.0	0.0	1.71E-10	2.04E-09	9.97E-09
4	1	1	2	2107.00	2	6129.14	1.6316	0.0738	3.38E-10	2.61E-08	9.10E-08	1.51E-07	1.876-07	2.04E-07
5	2	13	14	4656.18	1	6129.76	1.6314	0.0528	0.0	8.98E-08	2.40E-06	1.10E-05	2.54E-05	4 . 1 5E-0 5
6	3	5	4	6387.82	1	6130.37	1.6312	0.0645	0.0	1.27E-09	1.35E-07	1.24E-06	4.31E-06	9.32E-06
3	0	89	88	14049.87	2	6130.68	1.6311	0.0400	0.0	0.0	0.0	0.0	0.0	4.71E-10
5	2	82	81	16525.24	1	6131.05	1.6310	0.0400	0.0	0.0	0.0	1.29E-10	5.12E-09	5.59E-08
6	3	63	62	13560.93	1	6131.23	1.6310	0.0400	0.0	0.0	0.0	5.57E-09	1.085-07	7.37E-07
3	0	17	18	627.96		6131.25	1.6310	0.0482	7.55E-07	1.68E-06	1.80E-06	1.65F-06	1.44E-06	1.23E-06
3	0	37	38	2835.80	1	6131.81	1.6308	0.0400	3.14E-09	1.40E-06	8.71E-06	1.93E-05	2.87E-05	3.51E-05
4	1	26	27	3580.03	1	6131.90	1.6308	0.0400	2.895-10	7.66E-07	8.67E-06	2.595-05	4.60E-05	6.34E-05
4	1	72	71	11261.30	2	6132.63	1.6306	0.0400	0.0	0.0	0.0	2.26E-10	2.53E-09	1.19E-08
4	1	٠٥	1	2099.72	2	6132.88	1.6306	0.0769	1.77E-10	1.34E-08	4.65E-08	7.66E-08	9.52E-08	1.03E-07
6	3	′ 6	5	6406.52	1	6133.48	1.6304	0.0621	0.0	1.47E-09	1.59E-07	1.47E-06	5.15E-06	1.12E-05

VU	VL.	JU	JL	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	******	* INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
	. -			ENERGY	· ·	CH-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
- \$. 1	95	. 94_			6133.52	1.6304	0.0400	0.0	0.0	0.0	0.0	3.53E-10	5.42E-09
3		106		20633.65		6133.53	1.6304	0.0400	0.0	0.0	0.0	0.0	0.0	3.59E-10
6	3	62	61	13334.93		6134.38	1.6302	0.0400	0.0	0.0	0.0	7.08E-09	1.30E-07	8.55E-07
5	2	12	13	4603.40	1	6134.88	1.6300	0.0540	0.0	9.56E-08	2.45E-06	1.10E-05	2.50E-05	4.06E-05
3	0	88	87	13741.75	2	6136.25	1.6297	0.0400	0.0	0.0	0.0	0.0	0.0	5.90E-10
5	2	81	80	16232.57	1	6136.36	1.6296	0.0400	0.0	0.0	0.0	1.80E-10	6.62E-09	6.90E-08
4	1	71	70	11010.69	Ż	6136.39	1.6296	0.0400	0.0	0.0	0.0	2.97E-10	3.13E-09	1.41E-08
6	3	7	6	6428.95	1	6136.48	1.6296	0.0597	0.0	1.64E-09	1.81E-07	1.69E-06	5.95E-06	1.29E-05
3	0	16	17	561.92	2 .	6136.57	1.6296	0.0493	9.89E-07	1.88E-06	1.91E-06	1.70E-06	1.46E-06	1.24E-06
6	3	61	60	13112.37	1	6137.42	1.6293	0.0400	0.0	0.0	0.0	8.96E-09	1.56E-07	9.90E-07
4	1	25	26	3477.63	1	6138.39	1.6291	0.0400	4.60E-10	9.54E-07	9.95E-06	2.85E-05	4.94E-05	6.70E-05
6	3	8	7	6455.12	1	6139.38	1.6288	0.0574	0.0	1.79E-09	2.01E-07	1.90E-06	6.71E-06	1.47E-05
3	0	36	37	2691.03	. 1	6139.44	1.6288	0.0400	6.17E-09	1.94E-06	1.08E-05	2.26E-05	3.24E-05	3.87E-05
5	2	11	12	4554.37	1	6139.91	1.6287	0.0542	0.0	1.00E~07	2.47E-06	1.09E-05	2.44E-05	3.94E-05
4	1	70	69	10763,38	2	6140.05	1.6287	0.0400	0.0	0.0	0.0	3.89E-10	3.86E-09	1.68E-08
4	1	1	0	2096.07	2	6140.07	1.6286	0.0769	1.84E-10	1.38E-08	4.78E-08	7.87E-08	9.77E-08	1.06E-07
4	1	94	93	18325.89	' 1	6140.33	1.6286	0.0400	0.0	0.0	0.0	0.0	4.75E-10	6.92E-09
6	3	60	59	12893.29	1	6140.35	1.6286	0.0400	0.0	0.0	0.0	1.13E-08	1.87E-07	1.14E-06
5	2	80	79	15943.20	1	6141.56	1.6283	0.0400	0.0	0.0	0.0	2.48E-10	8.54E-09	8.50E-08
3	0	105	104	20258.50	1	6141.62	1.6282	0.0400	0.0	0.0	0.0	0.0	0.0	4.74E-10
3	0	87	86 \$	13436.77	2	6141.72	1.6282	0.0400	0.0	0.0	0.0	0.0	1.11E-10	7.36E-10
3	0	15	16	499.54	2	6141.80	1.6282	0.0505	1.27E-06	2.08E-06	2.00E-06	1.745-06	1.48E-06	1.245-06
6	3	9	8	6485.03		6142.17	1.6281	0.0550	0.0	1.89E-09	2.18E-07	2.08E-06	7.42E-06	1.63E-05
6	3	59	58	12677.69		6143.17	1.6278	0.0400	0.0	0.0	1.26E-10	1.42E-08	2.24E-07	1.32E-06
4	1	2	1	2099.72	2	6143.51	1.6277	0.0738	3.66E-10	2.78E-08	9.63E-08	1.59E-07	1.97E-07	2.14E-07
4	1	69	68	10519.39		6143.59	1.6277	0.0400	0.0	0.0	0.0	5.07E-10	4.74E-09	1.98E-08
4	1	24	25	3379.00	1	6144.78	1.6274	0.0400	7.18E-10	1.17E-06	1.13E-05	3.125-05	5.28E-05	7.05E-05
5	2	10	11	4509-11		6144.83	1.6274	0.0545	0.0	1.03E-07	2.46E-06	1.06E-05	2.36E-05	3.78E-05
6	3	10	9	6518.68		6144.85	1.6274	0.0547	0.0	1.96E-09	2.336-07	2.25E-06	8.08E-06	1.78E-05
6	3	58	57	12465.57		6145.87	1.6271	0.0400	0.0	0.0	1.72E-10	1.79E-08	2.67E-07	1.52E-06
5	2	79	78	15657.13	_	6146.64	1.6269	0.0400	0.0	0.0	0.0	3.41E-10	1.10E-08	1.04E-07
4	1	3	2	2107.00		6146.86	1.6268	0.0707	5.37E-10	4.15E-08	1.45E-07	2.39E-07	2.98E-07	3.24E-07
3	0	14	15	440.81		6146.93	1.6268	0.0517	1.59E-06	2.27E-06	2.085-06	1.77E-05	1.48E-06	1.23E-06
3	0	35	36	2550.01		6146.97	1.6268	0.0400	1.19E-08	2.67E-06	1.32E-05	2.62E-05	3.64E-05	4.25E-05
4	1	93	92	17991.41		6147.02	1.6268	0.0400	0.0	0.0	0.0	0.0	6.37E-10	8.80E-09
4	ī	68	67	10278.73		6147.03	1.6268	0.0400	0.0	0.0	0.0	6.57E-10	5.81E-09	2.33E-08
э	ō	86	85	13134.97		6147.08	1.6268	0.0400	0.0	0.0	0.0	0.0	1.44E-10	9.16E-10
6	ž	11	10	6556.05		6147.43	1.6267	0.0545	0.0	2.00E-09	2.44E-07	2.39E-06	8.67E-06	1.92E-05
6	3	57	56	12256.95		6148.45	1.6264	0.0400	0.0	0.0	2.33E-10	2.23E-08	3.18E-07	1.75E-06
3	ō	104	103	19886.39		6149.59	1.6261	0.0400	0.0	0.0	0.0	0.0	0.0	6.24E-10
5	2	9	10	4467.62		6149.64	1.6261	0.0547	0.0	1.05E-07	2.41E-06	1.035-05	2.26E-05	3.588-05
6	3	12	11	6597.16		6149.90	1.6260	0.0542	0.0	1.99E-09				
4	1	4	3	2117.93		6150.11	1.6260	0.0676	6.88E-10	5.46E~08	2.52E-07 1.92E-07	2.516-06	9.19E-06	2.05E-05
4	i	67	66	10041.41		6150.37	1.6259	0.0400		0.0		3.19E-07	3.98E-07	4.345-07
6	3	56	55	12051.84		6150.93			0.0		0.0	8.49E-10	7.08E-09	2.74E-08
4	1	23	24				1.6258	0.0400	0.0	0.0	3.15E-10	2.78E-08	3.76E-07	2.01E-06
5	2	78	77	3284.13		6151.07	1.6257	0.0412	1.10E-09	1.43E-06	1.28E-05	3.40E-05	5.62E-05	7.39E-05
3	ő	13	14	15374.38 385.75		6151.61 6151.97	1.6256	0.0400	0.0	0.0	0.0	4.67E-10	1.40E-08	1.28E-07
<i>5</i>	3	13	12				1.6255	0.0528	1.96E-06	2.44E-06	2.15E-06	1.785-06	1.47E-06	1.21E-06
_	_			6642.00		6152.26	1.6254	0.0540	0.0	1.96E-09	2.57E-07	2.61E-06	9.65E-06	2.17E-05
3	0	85 5	84 4	12836.35		6152.33	1.6254	0.0400	0.0	0.0	0.0	0.0	1.88E-10	1.14E-09
4	1			2132.50		6153.26	1.6252	0.0645	8.12E-10	6.68E-08	2.37E-07	3.97E-07	4.97E-07	5.43E-07
6	3	55	54	11850.23		6153.29	1.6251	0.0400	0.0	0.0	4.22E-10	3.44E-08	4.44E-07	2.29E-06
4	1	66	65	9807.43	2	6153.59	1.6251	0.0400	0.0	0.0	0.0	1.09E-09	8.61E-09	3.21E-08

VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSOR CM-2*		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
4	1	92	91	17660.10	1	6153.60	1 • 6 2 5 1	0.0400	0.0	0.0	0.0	0.0	8.52E-10	1.12E-08
5	2	8	9	4429.89	1	6154.36	1.6249	0.0550	0.0	1.045-07	2.33E-06	9.76E-06	2.12E-05	3.36E-05
3	0	34	35	2412.73	1	6154.40	1.6249	0.0400	2.25E-08	3.63E-06	1.62E-05	3.03E-05	4.06E-05 1.00E-05	4.65E-05 2.27E-05
6	3	14	13	6690.57	1	6154.52	1.6248	0.0528	0.0	1.90E-09	2.59E-07	2.68E-06 4.24E-08	5.21E~07	2.61E-06
6	3	54	53	11652.14	1	6155.54	1.6246	0.0400	0.0	0.0 7.77E-08	5.63E-10 2.80E-07	4.725-07	5.21E-07	6.50E-07
4	1	-6	5	2150.72		6156.32	1.6243	0.0621	9.04E-10	0.0	0.0	6.37E-10	1.79E-08	1.56E-07
5	2	77	76	15094.96	1	6156.45	1.6243	0.0400 0.0517	0.0 0.0	1.825-09	2.58E-07	2.73E-06	1.03E=05	2.36E-05
6 4	3	15 65	14 64	6742.87	5 I	6156.67	1.6243 1.6242	0.0400	0.0	0.0	0.0	1.40E-09	1.04E-08	3.74E-08
		12	13	9576.80 334.34	2	6156.71 6156.91	1.6242	0.0540	2.35E-06	2.59E-06	2.19E-06	1.78E-06	1.45E-06	1.19E-06
3 4	0	22	23	3193.03	1	6157.25	1.6241	0.0423	1.65E-09	1.73E-06	1.43E-05	3.67E-05	5.94E-05	7.705-05
3	ō	103	102	19517.34	i	6157.44	1.6241	0.0423	0.0	0.0	0.0	0.0	0.0	8.19E-10
3	ő	84	83	12540.93	ż	6157.47	1.6240	0.0400	0.0	0.0	0.0	0.0	2.44E-10	1.41E-09
6	3	53	52	11457.59	i	6157.67	1.6240	0.0400	0.0	0.0	7.47E-10	5.20E-08	6.10E-07	2.96E-06
6	3	16	15	6798.89	î	6158.72	1.6237	0.0505	0.0	1.71E-09	2.54E-07	2.755-06	1.06E-05	2.43E-05
5	2	7	8	4395.93	ī	6158.97	1.6236	0.0574	0.0	1.01E-07	2.20E>06	9.12E-06	1.97E-05	3.09E-05
4	1	7	6	2172.57	2	6159.27	1.6236	0.0597	9.62E-10	8.71E-08	3.20E-07	5.435-07	6.86E-07	7.54E-07
6	3	52	51	11266.57	1	6159.70	1.6235	0.0400	0.0	0.0	9.84E-10	6.35E-08	7.126-07	3.35E-06
4	ī	64	63	9349.53	2	6159.72	1.6235	0.0400	0.0	0.0	0.0	1.78E-09	1.26E-08	4.35E-08
4	1	91	90	17331.98	1	6160.05	1.6234	0.0400	0.0	0.0	0.0	0.0	t •13E-09	1.41E-08
6	3	17	16	6858.63	1	6160.65	1.6232	0.0493	0.0	1.59E-09	2.48E-07	2.75E-06	1.07E-05	2.49E-05
5	2	76	75	14818.89	1	6161.19	1.6231	0.0400	0.0	0.0	0.0	8.65E-10	2.27E-08	1.89E-07
6	3	51	50	11079.09	1	6161.61	1.6230	0.0400	0.0	0.0	1 • 29E-09	7.71E-08	8.27E-07	3.78E-06
3	0	33	34	2279.20	1	6161.72	1.6229	0.0400	4.18E-08	4.905-06	1.96E-05	3.48E-05	4.52E-05	5.076-05
3	0	11	12	286.60	2	6161.75	1.6229	0.0542	2.75E-06	2.71E-06	2.20E-06	1.76E-06	1 • 41 E-06	1.15E-06
4	1	8	7	2198.07	2	6162.12	1.6228	0.0574	9.85E-10	9.48E-08	3.55E-07	6.09E-07	7.74E-07	8.55E-07
6	3	18	17	6922.10	1	6162.48	1.6227	0.0482	0.0	1.46E-09	2.40E-07	2.72E-06	1 • 08E-05	2.54E-05
3	0	83	82	12248.70	2	6162.50	1.6227	0.0400	0.0	0.0	0.0	0.0	3.16E-10	1.74E-09
4	1	63	62	9125.64	2	6162.63	1.6227	0.0400	0.0	0.0	0.0	2.26E-09	1.51E-08	5.05E-08
4	1	21	22	3105.69	1	6163.33	1.6225	0.0435	2.42E-09	2.06E-06	1.60€-05	3.94E-05	6.246-05	7.985-05
6	3	50	49	10895.17	1	6163.40	1.6225	0.0400	0.0	0.0	1.68E~09	9.326-08	9.56E-07	4.25E-06
5	2	6	7	4365.74	ı	6163.47	1.6225	0.0597	0.0	9.63E-08	2.04E-06	8.35E-06	1.79E-05	2.80E-05
6	3	13	18	6989.28	1	6164.20	1.6223	0.0470	0.0	1.33E-09	2.30E-07	2.68E-06	1.08E-05	2.56E-05
4	1	9	8	2227.21	2	6164.88	1.6221	0.0550	9.75E-10	1.01E-07	3.86E-07	6.69E-07	8.58E-07	9.51E-07
6	3	49	48	10714.80	1	6165.09	1.6220	0.0400	0.0	0.0	2.17E-09	1.12E-07	1.10E-06	4.76E-06 1.07E-09
3	0	102	101	19151.35	1	6165.17	1.6220	0.0400	0.0	0.0	0.0	0.0	0.0	5.84E-08
4	1	62	61	8905-12	2	6165.43	1.6219	0.0400	0.0	0.0	1.14E-10 0.0	2.85E-09 1.17E-09	1.81E-08 2.88E-08	2.29E-07
5	2	75	74	14546.17	1	6165.80	1.6219	0.0400	0.0	0.0 1.19E-09	2.18E-07	2.62E-06	1.07E-05	2.58E-05
6	3	20	19	7060-17	1	6165.82	1.6218	0.0458 0.0400	0.0	0.0	0.0	0.0	1.51E-09	1.78E-08
4	1	90	89 11	17007.07 242.53	1	6166.39 6166.50	1.6217	0.0400	0.0 3.15E-06	2.79E-06	2.18E-06	1.72E-06	1.37E-06	1.10E-06
6	0 3	10 48	47	10538.00	2 1	6166.66	1.6216	0.0400	0.0	0.0	2.79E-09	1.34E-07	1.26E-06	5.31E-06
	3	21	20	7134.78	1	6167.32	1.6215	0.0447	0.0	1.06E-09	2.05E-07	2.54E-06	1.06E-05	2.57E-05
6 3	0	82	81	11959.70	2	6167.43	1.6214	0.0400	0.0	0.0	0.0	0.0	4.07E-10	2.14E-09
4	1	10	9	2259.98	2	6167.53	1.6214	0.0547	9.37E-10	1.05E-07	4.12E-07	7.24E-07	9.346-07	1.04E-06
5	2	5	6	4339.32	ī	6167.87	1.6213	0.0621	0.0	8.87E-08	1.84E-06	7.46E-06	1.59E-05	2.47E-05
4	1	61	60	8687.99	2	6168.12	1.6212	0.0400	0.0	0.0	1.56E-10	3.586-09	2.16E-08	6.72E-08
6	3	47	46	10364.77	1	6168.12	1,6212	0.0400	0.0	0.0	3.56E-09	1.60E-07	1.45E-06	5.90E-06
6	3	22	21	7213.10	ī	6168.72	1.6211	0.0435	0.0	9.28E-10	1.92E-07	2.45E-06	1.04E-05	2.566-05
3	ō	32	33	2149.44	ī	6168.95	1.6210	0.0400	7.62E-08	6.54F-06	2.36E-05	3.98E-05	5.01E-05	5.50E-05
4	1	20	21	3022.13	ī	6169.31	1.6209	0.0447	3.49E-09	2.43E-06	1.76E-05	4.20E-05	6.53E-05	8.23E-05
6	3	46	45	10195.12		6169.47	1.6209	0.0400	0 • ó	0.0	4.52E-09	1.90E-07	1.65E-06	6.54E-06
6	3	23	22	7295.12		6170.01	1.6207	0.0423	0.0	8.05E-10	1.78E-07	2.34E-06	1.01E-05	2.53E-05

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				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
4	1	11	10	2296.39	s	6170.09	1.6207	0.0545	8.76E-10	1+07E-07	_ 4.32E-07_	7-71E-07	1.00E-06	1.175.06
5	2	74	73	14276.81	ì	6170.30	1.6207	0.0400	0.0	0.0	- 0.0	1.57E-09	3.63E-08	1.13E-06 2.77E-07
6	3	45	44	10029.06	1	6170.71	1.6206	0.0400	0.0	0.0	5.70E-09	2.24E-07	1.87E-06	7.22E-06
4	1	60	59	8474.25	2	6170.71	1.6206	0.0400	0.0	0.0	2.12E-10	4.48E-09	2.56E-08	7.72E-08
3	0	9	10	202.12	2	6171.15	1.6204	0.0547	3.51E-06	2.82E-06		1.65E-06	1.30E-06	1.05E-06
6	3	24	23	7380.84	1	6171.19	1.6204	0.0412	0.0	6.90E-10	1.63E-07	2.23E-06	9.83E-06	2.49E-05
6	3	44	43	9866.59	1	6171.84	1.6203	0.0400	0.0	0.0	7.14E-09	2.63E-07	2.11E-06	7.95E-06
5	2	4	5	4316.68	ì	6172.Ì7	1.6202	0.0645	0.0	7.88E-08	1.61E-06	6.44E-06	1.36E-05	2.12E-05
3	0	81	80	11673.92	2	6172.24	1.6202	0.0400	0.0	0.0	0.0	0.0	5.23E-10	2.62E-09
6	3	25	24	7470.27	1	6172.26	1.6202	0.0400	0.0	5.86E-10	1.49E-07	2.10E-06	9.49E-06	2.44E-05
4	ı	12	11	2336.44	2	6172.55	1.6201	0.0542	7.98E-10	1.07E-07	4.47E-07	8 • 1 1E-07	1.07E-06	1.20E-06
4	1	89	88	16685.38		6172.61	1.6201	0.0400	0.0	0.0	0.0	0.0	2.01E-09	2.25E-08
3	0	101	100	18788.44	1	6172.78	1.6200	0.0400	0.0	0.0	0.0	0.0	0.0	
6	3	43	42	9707.73	1	6172.86	1.6200	0.0400	0.0	0.0	8.89E-09	3.07E-07	2.37E-06	1.40E-09 8.71E-06
4	1	59	58	8263.93	ź	6173.19	1.6199	0.0400	0.0	0.0	2.89E-10	5.61E-09		
6	3	26	25	7563.39	1	6173.23	1.6199	0.0400	0.0	4.92E-10	1.35E-07	1.97E-06	3.06E-08 9.11E-06	8-89E-08
6	3	42	41	9552.46	1	6173.76	1.6198	0.0400	0.0	0.0	1.10E-08	3.57E-07		2.38E-05
6	3	27	26	7660.20	1	6174.08	1.6197	0.0400	0.0	4.09E-10	1.21E-07	1.84E-06	2.66E-06 8.70E-06	9.52E-06
6	3	41	40	9400.82	1	6174.55	1.6196	0.0400	0.0	0.0	1.35E-08	4.13E-07		2.30E-05
5	2	73	72	14010.82	1	6174.69	1.6195	0.0400	0.0	0.0	0.0	2.11E-09	2 • 96E-06	1.04E-05
6	3	28	27	7760.70	1	6174.83	1.6195	0.0400	0.0	3.37E-10	1.08E-07		4.57E-08	3.34E-07
4	1	13	12	2380.12	2	6174.90	1.6195	0.0540	7.09E-10	1.06E-07	4.57E-07	1.71E-06 8.44E-07	8.27E-06	2.23E-05
4	1	19	20	2942.34	1	6175.19	1.6194	0.0458	4.93E-09	2.835-06	1.92E-05	4.45E-05	1.125-06	1.27E-06
6	3	40	39	9252.79	1	6175.24	1.6194	0.0400	0.0	0.0	1.65E-08	4.76E-07	6.78E-05	8+45E-05
6	3	29	28	7864.89	1	6175.46	1.6193	0.0400	0.0	2.74E-10	9.53E-08	1.58E-06	3.29E~06	1.12E-05
4	1	58	57	8057.01	2	6175.56	1.6193	0.0400	0.0	0.0	3.92E-10	6.99E~09	7.83E~06	2.14E-05
3	0	8	9	165.38	2	6175.70	1.6192	0.0550	3.80E-06	2.805-06	2.06E-06	1.57E-06	3.63E-08 1.23E-06	1.02E-07 9.78E-07
6	3	39	38	9108.38	1	6175.81	1.6192	0.0400	0.0	0.0	2.00E-08	5.45E-07		
6	3	30	29	7972.75	ı	6175.99	1.6192	0.0400	0.0	2.21E-10	8.38E-08	1.45E-06	3.64E-06	1.21E-05
3	0	31	32	2023.43	1	6176.08	1.6192	0.0400	1.36E-07	8.64E-06	2.82E-05	4.52E-05	7.37E-06 5.53E-05	2.05E-05
6	3	38	37	8967.61	1	6176.27	1.6191	0.0400	0.0	0.0	2.41E-08	6.20E-07		5.94E-05
5	2	3	4	4297.80	1	6176.37	1.6191	0.0676	0.0	6.65E-08	1.34E-06	5.32E-06	4 - 01 E-06	1.31E-05
6	3	31	30	8084.29	1	6176.41	1.6191	0.0400	0.0	1.776-10	7.35E-08		1.12E-05	1.73E-05
6	3	37	36	8830.47	1	6176.62	1.6190	0.0400	0.0	0.0	2.89E-08	_1.33E-06_ 7.03E-07	_6.94E-06_	1.97E-05
6	3	32	31	8199.50	1	6176.72	1.6190	0.0400	0.0	1.41E-10	6.40E-08	1.21E-06	4.398-06	1.40E-05
6	Э	36	35	8696.97	1	6176.86	1.6189	0.0400	0.0	0.0	3.43E-08	7.92E~07	6.51E-06	1.88E-05
6	3	33	32	8318.38	1	6176.92	1.6189	0.0400	0.0	1.11E-10	5.53E-08		4 - 80E-06	1.50E-05
3	ò	80	79	11391.37	2	6176.95	1.6189	0.0400	0.0	0.0	0.0	1.10E-06 0.0	6.07E-06	1.79E-05
6	3	35	34	8567.12	1	6176.99	1.6189	0.0400	0.0	0.0	4.05E-0B		6.69E-10	3.21E-09
6	3	34	33	8440.93	1	6177.01	1.6189	0.0400	0.0	0.0		_8.88E-07	5.21E-06	1.60E-05
4	1	14	13	2427.44	2	6177.16	1.6189	0.0528	6.15E-10	1.03E-07	4.75E-08	9.90E-07	5.64E-06	1.69E-05
4	1	57	56	7853.51	2	6177.83	1.6187	0.0400	0.152-10	0.0	4.62E-07	8.68E-07	1.17E-06	1+34E-06
4	1	88	87	16366.91	1	6178.71	1.6185	0.0400			5.28E-10	B-69E-09	4-295-08	1 - 1 7€-07
5	2	72	71	13748.23	ī	6178.96	1.6184	0.0400	0.0	0.0	0.0	0.0	2.67E-09	2+84E-08
4	1	15	14	2478.38	2	6179.32	1.6183	0.0517	5.22E-10	0.0 9.84E-08	0.0	2.81E-09	5.72E-08	4.01E-07
4	1	56	55	7653.44	2	6180.00	1.6181	0.0400	0.0	0.0 9.04c=08	4.61E-07	.8.85E-07	1-20E-06	1.39E-06
3	ō	7	8	132.31	2	6180.16	1.6181	0.0574	4.00E-06	2.72E-06	7.07E-10	1.07E-08	5.05E-08	1.33E-07
3	ō	100	99	18428.62	ī	6180.27	1.6181	0.0400	0.0	0.0	1.95E-06	1.47E-06	1.14E-06	9.02E-07
5	2	2	3	4282.70	ī	6180.46	1.6180	0.0707	0.0		0.0	0.0	1.23E-10	1.82E-09
4	1	18	19	2866.33	i	6180.97	1.6179	0.0470	6.81E-09	5.22E-08 3.26E-06	1.04E-06	4.10E-06	8-61E-06	1.33E-05
4	1	16	15	2532.96	ž	6181.38	1.6178	0.0505	4.34E-10	9.32E-08	2.09E-05	4.68E-05	7+01E-05	8.62E-05
3	0	79	78	11112.08	2	6181.54	1.6173	0.0400			4.56E-07	8.94E-07	1.23E-06	.1.44E-06
4	1	55	54	7456.80	2	6182.06	1.6176	0.0400	0 • 0 0 • 0	0.0	0.0	0.0	8.54E-10	3.92E-09
									340		9.41E-10	_1.32 <u>E-</u> 08_	5.9 <u>3E-08</u>	1.52E-07

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRAT	ED ** ABSORI		FFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
_						1								
3	0	30	31	1901.19	1	6183.11	1.6173	0.0400	2.39E-07	1-13E-05	3.35E-05	5.116-05	6.07E-05	6.40E-05
5	2	71	70	13489.02	1	6183.11	1.6173	0.0400	0.0	0.0	0.0	3.74E-09	7.14E-08	4.80E-07
4	1	17	16	2591.16	2	6183.33	1.6173	0.0493	3.52E-10	8.70E-08	4.46E-07	8.96E-07	1.25E-06 6.93E-08	1.47E-06 1.72E-07
4 5	1 2	54	53 2	7263,61	2	6184.01	1.6171	0.0400 0.0738	0.0	0.0 3.61E-08	1.25E-09 7.09E-07	1.62E-08 2.79E-06	5.85E-06	9.02E-06
3	0	1	7	4271.38 102.91	1 2	6184.44 6184.52	1.6170	0.0738	0.0 4.07E-06	2.57E-06	1.81E-06	1.34E-06	1.03E-06	8.15E-07
4	1	87	86	16051.69	1	6184.69	1.6169	0.0400	0.0	0.0	0.0	0.0	3.53E-09	3.58E-08
4	i	18	17	2652.99	2	6185.19	1.6168	0.0482	2.80E-10	8.03E-08	4.33E-07	8.90E-07	1.26E-06	1.50E-06
4	1	53	52	7073.87	2	6185.85	1.6166	0.0400	0.0	0.0	1.64E-09	1.97E-08	8.08E-08	1.94E-07
3	ò	78	77	10836.05	2	6186.03	1.6165	0.0400	0.0	0.0	0.0	1.07E-10	1.09E-09	4.77E-09
4	1	17	18	2794.11	1	6186.65	1.6164	0.0482	9.226-09	3.71E-06	2.24E-05	4.89E-05	7.19E-05	8.74E-05
4	1	19	18	2718.44	2	6186.94	1.6163	0.0470	2.18E-10	7.32E-08	4-16E-07	8.78E-07	1.27E-06	1.52E-06
5	2	70	69	13233.23	1	6187.15	1.6163	0.0400	0.0	0.0	0.0	4.94E-09	8.88E-08	5.73E-07
4	1	52	'51	6887.58	2	6187.60	1.6161	0.0400	0.0	0.0	2.14E-09	2.39E-08	9.37E-08	2.19E-07
3	0	99	98	18071.92	1	6187.65	1.6161	0.0400	0.0	0.0	0.0	0.0	1.69E~10	2.36E-09
5	2	0	1	4263.83	1	6188.32	1.6159	0.0769	0.0	1.85E-08	3.62E-07	1.425-06	2.97E-06	4.58E-06
4	1	20	19	2787.51	2	6188.60	1.6159	0.0458	1.678-10	6.60E-08	3.96E-07	8.60E-07	1.26E-06	1.53E-06
3	0	5	6	77.19	2	6188.78	1.6158	0.0621	3.98E-06	2.37E-06	1.63E-06	1.20E-06	9.16E-07	7.20E-07
4	1	51	50	6704.76	2	6189.23	1.6157	0.0400	0.0	0.0	2.78E-09	2.89E-08	1.08E-07	2.46E-07
3	0	29	30	1782.72	1	6190.03	1.6155	0.0400	4.12E-07	1.47E-05	3.95E~05	5.75F-05	6.63E-05	6.86E-05
4	1	21	20	2860.19	2	6190.15	1.6155	0.0447	1.256-10	5.88E-08	3.74E_07	8.36E-07	1. 25E-06	1.53E-06
3	0	77	76	10563,28	2	6190.41	1.6154	0.0400	0.0	0.0	0.0	1.456-10	1.37E-09	5.78E-09
4	1	86	85	15739.73	1	6190.56	1.6154	0.0400	0.0	0.0	0.0	1.42E-10	4.66E-09	4.49E-08
4	1	50	49	6525.41	2	6190.77	1.6153	0.0400	0.0	0.0	3.59E-09	3.48E-08	1.25E-07	2.75E-07
5	2	69	68	12980.85	1	6191.07	1.6152	0.0400	0.0	0.0	0.0	6.50E-09	1.10E-07	6.82E-07
4	1	22	21	2936.50	2	6191.61	1.6151	0.0435	0.0	5-19E-08	3.51E-07	8.08E-07	1.23E-06	1.52E-06
4	1	49 16	48 17	6349.53	2	6192.19	1.6149	0.0400	0.0	0.0	4.61E-09 2.39E-05	4.16E-08 5.06E-05	1.43E~07 7.32E-05	3.07E-07 8.81E-05
3	0	4	5	2725.67 55.14	2	6192.22 6192.95	1.6149 1.6147	0.0493 0.0645	1.22E~08 3.72E-06	4.17E-06 2.10E-06	1.42E-06	1.03E-06	7.87E-07	6.17E-07
4	i	23	22	3016.41	2	6192.96	1.6147	0.0423	0.0	4.52E-08	3.26E-07	7.75E-07	1.20E-06	1.51F-06
4	i	48	47	6177.14	2	6193.52	1.6146	0.0400	0.0	0.0	5.89E-09	4.95E-08	1.64E-07	3.41E-07
4	ì	24	23	3099.94	2	6194.21	1.6144	0.0412	0.0	3.90E-08	3.01E-07	7.39E-07	1.17E-06	1.49E-06
3	ō	76	75	10293.79	2	6194.68	1.6143	0.0400	0.0	0.0	0.0	1.96E-10	1.74E-09	6.99E-09
4	1	47	46	6008.24	2	6194.73	1.6143	0.0400	0.0	0.0	7.46E-09	5.87E-08	1.86E-07	3.78E-07
5	2	68	67	12731.90	1	6194.88	1.6142	0.0400	0.0	0.0	0.0	8.52E-09	1.36E-07	8.09E-07
3	0	98	97	17718.34	1	6194.90	1.6142	0.0400	0.0	0.0	0.0	0.0	2.31E-10	3.06E-09
4	1	25	24	3187.07	2	6195.36	1.6141	0.0400	0.0	3.33E-08	2.75E-07	7.01E-07	1.13E-06	1.46E-06
5	2	1	0	4260.05	1	6195.77	1.6140	0.0769	0.0	1.91E-08	3.72E-07	1.46E-06	3.05E-06	4.69E-06
4	1	46	45	5842.84	2	6195.85	1.6140	0.0400	0.0	1.36E~10	9.40E-09	6.92E-08	2.11E-07	4.17E-07
4	1	85	84	15431.03	1	6196.31	1.6139	0.0400	0.0	0.0	0.0	2.01E-10	6.12E-09	5.62E-08
4	1	26	25	3277.80	2	6196.41	1.6138	0.0400	0.0	2.82E-08	2.505-07	6.60E-07	1.09E-06	1.43E-06
4	1	45	44	5680.94	2	6196.86	1.6137	0.0400	0.0	1.94E-10	1.18E-08	8.13E-08	2.38E-07	4.59E-07
3	0	28	29	1668.03	1	6196.86	1.6137	0.0400	6.98E-07	1.89E-05	4.64E-05	6.45E-05	7.24E-05	7.36E-05
3	0	3	4	36.76	2	6197.01	1.6137	0.0676	3.28E-06	1.77E-06	1.186-06	8.53E-07	6.46E-07	5.05E-07
4	1	27	26	3372.13	2	6197.35	1.6136	0.0400	0.0	2.35E-08	2.256-07	6.18E-07	1.04E-06	1.39E-06
4	1	15	16	2661.01	1	6197.69	1.6135	0.0505	1.58E-08	4.63E-06	2.51E-05	5.20E-05	7.41E-05	8.825-05
4	1	44	43	5522.55	2	6197.76	1.6135	0.0400	0.0	2.74E-10	1.47E-08	9.495-08	2.68E-07	5.03E-07
4	1	28	27	3470.06	2	6198.20	1.6134	0.0400	0.0	1.95E-08	2.02E-07	5.76E-07	9.93E-07	1.34E-06
4 5	1	43 67	42 66	5367,68	2	6198.56	1.6133	0.0400	0+0	3.84E-10 0.0	1.81E-08 1.06E-10	1.10E-07 1.11E-08	3.00E-07 1.67E-07	5.50E-07 9.56E-07
3	0	75	74	12486.39 10027.60	1 2	6198.58 6198.84	1.6133 1.6132	0.0400 0.0400	0.0 0.0	0.0	0.0	2.63E-10	2.18E-09	8.43E-09
۵	1	29	28	3571.58	2	6198.94	1.6132	0.0400	0.0	1.60E-08	1.79E-07	5.33E-07	9.42E-07	1.30E-06
4.	î	42	41	5216.33		6199.26	1.6131	0.0400	0.0	5.33E-10	2.23E-08	1.28E-07	3.35E-07	
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VU	٧L	JŲ	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRATE	ED ** ABSOR		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
											-			
5	2	2.	1	4263.83	1	6199+33	1.6131	0.0738	0.0	3.83E-08	7.50E-07	2.94E-06	6.16E-06	9.47E-06
4	1	30	29	3676.69		6199.58	1.6130	0.0400	0.0	1.305-08	1.58E-07	4.91E-07	B.90E-07	1.24E-06
4	1	41	40	5068.50		6199.86	1.6129	0.0400	0.0	7.32E-10	2.72E-08	1.47E~07	3.72E-07	6.50E-07
4	1	31	30	3785.38		6200.12	1.6129	0.0400	0.0	1.056-08	1.40E-07	4.52E-07	8.41E-07	1-20E-06
4	1	40	39	4924.21		6200.35	1.6128	0.0400	0.0	9.97E-10	3.30E-08	1.68E-07	4.11E-07	7+02E-07
4	1	32	31	3897.66		6200.55	1.6128	0.0400	0.0	8.39E-09	1.22E-07	4.13E-07	7.90E-07	1.15E-06
4	1	39	38	4783.45	2	6200.73	1.6127	0.0400	0.0	1.34E-09	3.98E-08	1.92E-07	4.53E-07	7.57E-07
4	1	33	32	4013.51	2	6200.89	1.6127	0.0400	0.0	6.65E-09	1.06E-07	3.76E-07	7.40E-07	1.09E-06
3	0	2	3	22.06	2	6200.98	1.6126	0.0707	2.67E-06	1.39E-06	9.14E-07	6.57E-07	4.96E-07	3.87E-07
4	1	38	37	4646.24	2	6201.02	1.6126	0.0400	0.0	1.80E-09	4.76E-08	2.17E-07	4.97E-07	8.12E-07
4	1	34	33	4132.93	2	6201.12	1.6126	0.0400	0.0	5.21E-09	9.17E-08	3.41E-07	6.89E-07	1.04E-06
4	1	37	36	4512.58	2	6201.20	1.6126	0.0400	0.0	2.388-09	5.67E-08	2.45E-07	5.43E-07	8.68E-07
4	1	35	34	4255.91	2	6201.25	1.6126	0.0400	0.0	4.05E-09	7.86E-08	3.07E-07	6.40E-07	9.81E-07
4	1	36	35	4382.47		6201.27	1.6126	0.0400	0.0	3.12E-09	6.70E-08	2.755-07	5.91E-07	9.25E-07
4	1	84	83	15125.61		6201.94	1.6124	0.0400	0.0	0.0	0.0	2.84E-10	8.02E-09	7.01E-08
3	0	97	96	17367.91		6202.03	1.6124	0.0400	0.0	0.0	0.0	0.0	3.15E-10	3.94E-09
5	2	66	65	12244.32		6202.16	1.6123	0.0400	0.0	0.0	1.51E-10	1.44E-0B	2.04E-07	1.13E-06
5	2	3	2	4271.38		6202.79	1.6122	0.0707	0.0	5.72E-08	1.13E-06	4.43E-06	9.29E-06	1.43E-05
3	0	74	73	9764.71		6202.90	1.6121	0.0400	0.0	0.0	0.0	3.51E-10	2.74E-09	1.01E-08
4	1	14	15	2600.15		6203.06	1.6121	0.0517	2.01E-08	5.07E-06	2.63E-05	5.30E-05	7.44E-05	8.77E-05
3 3	0	27	28	1557.12		6203.59	1.6120	0.0400	1.16E-06	2.41E-05	5.41E-05	7.20E-05	7.87E-05	7.85E-05
	0	1 65	2 64	11.03 12005.71		6204.86	1.6116	0.0738	1.89E-06	9.60E-07	6.26E-07	4.48E-07	3.37E-07	2.63E-07
5	2	4	3	4282.70		6205.62 6206.15	1.6114	0.0400	0.0	0.0	2.15E-10	1.86E-08	2.50E-07	1.32E-06
3	ō	73	72	9505.12			1.6113	0.0676	0.0	7.52E-08	1.49E-06	5.90E-06	1.24E-05	1.91E-05
4	ĭ	83	82	14823.48		6206.84 6207.46	1.6111	0.0400 0.0400	0.0 0.0	0.0 0.0	0.0	4.66E-10 3.98E-10	3.42E-09 1.05E-08	1.21E-08 8.72E-08
4	î	13	14	2543.08		6208.32	1.6107	0.0528	2.49E-08	5.48E-06	2.71E-05	5.35E-05	7.41E-05	8.66E-05
3	ō	0	1	3.68		6208.63	1.6107	0.0769	9.88E-07	4.93E-07	3.20E-07	2.28E-07	1.715-07	1.33E-07
5	2	64	63	11770.57		6208.97	1.6106	0.0400	0.0	0.0	3.04E-10	2.40E-08	3.03E-07	1.55E-06
3	0	96	95	17020.62		6209.05	1.6106	0.0400	0.0	0.0	0.0	0.0	4.29E-10	5.07E-09
5	2	5	4	4297.80		6209.39	1.6105	0.0645	0.0	9.18E-08	1 84E-06	7.34E-06	1.55E-05	2.39E-05
3	0	26	27	1449.99		6210.21	1.6103	0.0400	1.89E-06	3.04E-05	6.26E-05	7.99E-05	8.51E-05	8.356-05
3	0	72	71	9248.86		6210.68	1.6101	0.0400	0.0	0.0	0.0	6.17E-10	4.25E-09	1.45E-08
5	2	63	62	11538.91		6212.21	1.6097	0.0400	0.0	0.0	4.27E-10	3.07E-08	3.67E-07	1.81E-06
5	2	6	5	4316.68	1	6212.54	1.6096	0.0621	0.0	1.07E-07	2.17E-06	8.72E-06	1.85E-05	2.87E-05
4	1	82	81	14524.67	1	6212.86	1.6096	0.0400	0.0	0.0	010	5.57E-10	1.36E-08	1.08E-07
4	1	12	13	2489.80	1	6213.48	1.6094	0.0540	3.01E-08	5.84E-06	2.77E-05	5.356-05	7.31E-05	8.47E-05
3	0	71	70	8995.93		6214.42	1.6092	0.0400	0.0	0.0	0.0	8.13E-10	5.28E-09	1.736-08
5	2	62	61	11310.73		6215.33	1 .6089	0.0400	0.0	0.0	5.96E-10	3.91E-08	4.43E-07	2.10E-06
5	2	7	6	4339.32		6215.57	1.6089	0.0597	0.0	1 • 1 9E-07	2.48E-06	1.00E-05	2.13E-05	3.32E-05
3	0	1	0	-0.0	2	6215.88	1.6088	0.0769	1.03E-06	5.09E-07	3.29E-07	2.34E-07	1.76E-07	1.37E-07
3	0	95	94	16676.52		6215.95	1.6088	0.0400	0.0	0.0	0.0	0.0	5.81E-10	6.50E-09
3	0	25	26	1346.66		6216.74	1.6086	0.0400	3.03E-06	3.79E-05	7.20E-05	8.81E-05	9.156-05	8.83E-05
3	0	70	69	8746.33		6218.04	1.6082	0.0400	0.0	0.0	0.0	1.07E-09	6.525-09	2.05E-08
4 5	1 2	81	60	14229.17		6218.14	1.6082	0.0400	0.0	0.0	0.0	7.75E-10	1.77E-08	1.34E-07
5	2	61 8	60 7	11086.05 4365.74		6218.34	1.6081	0.0400	0.0	0.0	8.27E-10	4.96E-08	5.33E-07	2.44E-06
4	1	11	12	2440.32		6218.51	1.6081	0.0574	0.0	1.29E+07	2.75E-06	1.12E-05	2.41E-05	3.76E-05
3	ō	2	1	3.68		6218.54 6219.36	1.6081 1.6079	0.0542 0.0738	3.56E-08 2.05E-06	6.13E-06 1.02E-06	2.79E-05 6.63E-07	5.29E-05 4.73E-07	7.15E-05 3.55E-07	8.22E-05 2.76E-07
5	2	60	59	10864.87		6221.24	1.6079	0.0400	2.05E-00	0.0	1.14E-09	6.26E-08	6.38E-07	2.82E-06
5	5	9	8	4395.93		6221.33	1.6074	0.0550	0.0	1.37E-07	2.98E-06	1:23E-05	2.66E-05	4.18E-05
3	ō	69	68	8500.09		6221.56	1.6073	0.0400	0.0	0.0	0.0	1.39E-09	8.03E-09	2.43E-08
3	0	94	93	16335.59		6222.72	1.6070	0.0400	0.0	0.0	0.0	0.0	7.84E-10	8.31E-09
	-				_				~			~ • •	110-72-10	3,55,6 0,9

3				STATE		WAVE NUMBER	WAVE LENGTH	HALF WIDTH		** INTEGRAT	CM-2*	ATM-1	·	
-				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
7										•		-,		
	0	3	2	11.03	2	6222.74	1.6070	0.0707	3.01E-06	1.53E-06	9.96E-07	7.13E-07	5 - 37E-07	4 . 1 8E-07
3	0	24	25	1247.11	1	6223.16	1.6069	0.0400	4.75E-06	4.68E-05	0.21E-05	9.65E-05	9.79E-05	9.31E-05
4	1	80	79	13937.00	1	6223.30	1.6069_	0.0400	0.0	0.0	0.0	1.07E-09_	2.28E-08 .	1.65E-07_
4	1	10	11	2394.64	1	6223.50	1.6068	0.0545	4-10E-08	6.34E-06	2.78E-05	5.17E-05	6.91E-05	7.89E-05
5	2	59	58	10647.20	1	6224.02	1.6067	0.0400	0.0	0.0	1.57E-09	7.91E-08	7.65E-07	3,27E-06
5	2	10	9	4429.89	1	6224.05	1.6067	0.0547	0.0	1.42E-07	3.17E-06	1.33E-05	2.90E-05	4.58E~05
3	0	68	67	8257.20	2	6224.97	1.6064	0.0400	0.0	0.0	.0.0	1.81E-09	9 • 85E-09	2.86E-08
3	0	4	3	22.06	2	6226.03	1.6062	0.0676	3.85E-06	2.01E-06	1.32E-06	9.50E-07	7.176-07	5.59E-07
5	2	11	10	4467.62	1	6226.66	1.6060	0.0545	0.0	1.44E-07	3.32E-06	1.42E-05	3.116-05	_ 4.94E-05_
5	2	58	57	10433.05	1	6226.69	1.6060	0.0400	0.0	0.0	2.16E-09	9.96E-08	9.14E-07	3.77E-06
3	0	67	66	8017.69	2	6228.27	1.6056	0.0400	0.0	0.0	1.33E-10	2.34E-09	1.20E-08	3.37E-08
4	1	9	10	2352.76	1	6228.35	1.6056	0.0547	4.60E-08	6.43E-06	2.73E-05	4.99E-05	6.60E-05	7.49E-05
4	1	79	78	13648.17	1	6228.35	1.6056	0.0400	0.0	0.0	0.0	1.48E-09	2.94E-08	2.03E-07
5	2	12	11	4509.11	1	6229.17	1.6054	0.0542	0.0	1.44E-07	3.43E-06	1.49E-05	3.30E-05	5.28E-05
3	0	5	4	36.76	2	6229.21	1.6053	0.0645	4.55E-06	2.46E-06	_1.63E-06	1.18E-06	8.95E-07	7.00E-07
5	2	57	56	10222.44	1	6229.24	1.6053	0.0400	0.0	0.0	2.94E-09	1.25E-07	1.09E-06	4.34E-06
3	0	93	92	15997.85	1	6229.38	1.6053	0.0400	0.0	0.0	0.0	0.0	1.06E-09	1 • 06E-08
3	0	23	24	1151.37	1	6229.48	1.6053	0.0412	7.30E-06	5.72E-05	9.29E-05	1.05E-04	1.04E-04	9.75E-05
3	0	66	65	7781.55	2	6231.46	1.6048	0.0400	0.0	0.0	1.89E-10	3.02E-09	1.47E-08	3.95E-08
5	2	13	12	4554.37	1	6231.57	1.6047	0.0540	0.0	1.42E-07	3.50E-06	1.54E-05	3.46E-05	5.58E-05
5	2	56	55	10015.37	1	6231.68	1.6047	0.0400	0.0	0.0	3.98E-09	1.55E-07		4.99E-06
3	0	6	• 5	55.14	2	6232.30	1.6045	0.0621	5.06E-06	2.86E-06	1.93E-06	1.41E-06	1.07E-06	8.38E-07
4	1	8	9	2314.69	1	6233.10	1.6043	0.0550	5.02E-08	6.40E~06	2.64E-05	4.75E-05	6.22E-05	7.01E-05
4	1	78	77	13362.69	1	6233.28	1.6043	0.0400	0.0	0.0	0.0	2.04E-09	3.77E-08	2.49E-07
5	2	14	13	4603.40	1	6233.86	1.6041	0.0528	0.0	1.37E-07	3.52E~06	1.58E-05	3.59E-05	5.84E-05
5	2	55	54	9811.84	1	6234.01	1.6041	0.0400	0.0	0.0	5.35E-09	1.93E-07	1.53E-06	5.70E-06
3	0	65	64	7548.79	2	6234.55	1.6040	0.0400	0.0	0.0	2.66E-10	3.87E-09	1.785-08	4.62E-08
3	0	7	6	77.19	2	6235.28	1.6038	0.0597	5.386-06	3.20E-06	2.20E-06	1-62E-06	1.24E-06	9.73E-07
3	0	22	23	1059.42	1	6235.70	1.6037	0.0423	1.10E-05	6.91E-05	1.04E-04	1.14E-04	1.10E-04	1.02E-04
3	0	92	91	15663.33	1	6235.93	1.6036	0.0400	0.0	0.0	0.0	0.0	1.42E-09	1.35E-08
5	2	15	14	4656.18	1	6236.04	1.6036	0.0517	0.0	1.31E-07	3.51E-06	1.615-05	3.70E-05	_6.06E-05
5	2	54	53	9611.86	1	6236.22	1.6035	0.0400	0.0	0.0	7.16E-09	2.38E-07	1.80E-06	6.50E-06
3	0	64 7	63 8	7319.43	2	6237.53	1.6032	0.0400	0.0	0.0	_ 3.72E-10	4-956-09	2.15E-08	5.38E-08
4	1	77	76	2280.41	1	6237.74	1.6031	0.0574	5.31E-08 0.0	6.24E~06 0.0	2.50E-05 0.0	4.44E-05 2.78E-09	77E-05	6.47E-05
5	1 2	16	15	13080.58 4712.73	1	6238.10 6238.12	1.6031 1.6030	0.0400 0.0505	0.0	1.236-07	3.46E-06	1.62E-05	4.83E-08 3.78E-05	3.04E-07 6.25E-05
3	0	8	7	102.91	2	6238.17	1.6030	0.0574	5.50E-06	3.48E-06	2.44E-06	1.81E-06	1.40E-06	1.10E-06
5 5	2	53	52	9415.45	1	6238.33	1.6030	0.0400	0.0	0.0	9.52E-09	2.93E-07	2.116-06	7.39E-06
5	2	17	16	4773.03	i	6240.09	1.6025	0.0493	0.0	1.15E-07	3.37E-06	1.625-05	3.83E-05	6.40E-05
5	2	52	51	9222.61	i	6240.32	1.6025	0.0400	0.0	0.0	1.26E-08	3.58E-07	2.46E-06	8.37E-06
3	õ	63	62	7093.47	2	6240.41	1.6025	0.0400	0.0	0.0	5.18E-10	6.29E-09	2.59E-08	6.25E-08
3	ŏ	9	8	132.31	2	6240.96	1.6023	0.0550	5.44E-06	3.70E-06	2.66E-06	1.99E-05	1.55E-06	1.235-06
3	ŏ	21	22	971.28	ī	6241.82	1.6021	0.0435	1.62E-05	8.25E-05	1.16E-04	1.22E-04	1.16E-04	1.06E-04
5	ž	18	17	4837.09	i	6241.96	1.6021	0.0482	0.0	1.05E-07	3.26E-06	1.61E-05	3.86E-05	6.50E-05
5	2	51	50	9033.35	i	6242.19	1.6020	0.0400	0.0	0.0	1.65E-08	4.36E-07		9.45E-06
4	ī	6	7	2249.94	î	6242.28	1.6020	0.0597	5.43E-08	5.92E-06	2.32E-05	4.07E-05	5.25E-05	5.85E-05
3	ò	91	90	15332.04	î	6242.35	1.6020	0.0400	0.0	0.0	0.0	0.0	1 .89E-09	1.71E-08
4	1	76	75	12801.85	î	6242.80	1.6018	0.0400	0.0	0.0	0.0	3.79E-09	6.15E-08	3.70E-07
3	ō	62	61	6870.93	2	6243.18	1.6017	0.0400	0.0	0.0	7.17E-10	7.96E-09	3-10E-08	7.23E-08
3	ő	10	9	165.38	2	6243.64	1.6016	0.0547	5.22E-06	3.84E-06	2.83E-06	2.16E-06	1.68E-06	1.34E-06
5	2	19	18	4904.90	ī	6243.71	1.6016	0.0470	0.0	9.54E-08	3.12E-06	1.58E-05	3.85E-05	6.57E-05
5	2	50	49	8847.68	ī	6243.96	1.6015	0.0400	0.0	0.0	2.16E-08	5.28E-07	3.32E-06	1.06E-05
5	2	20	19	4976.46		6245.36	1.6012	0.0458	0.0	8.55E-08	2.96E-06	1.54E-05	3.83E-05	6.60E-05

VU -	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width		** INTEGRATI	ED ** ABSORI CM-2*,			
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200		T = 1800
5	2	49	48	, 8665.59	1	6245.61	1.6011	0.0400	0.0	0.0	2.79E-08	6.37E-07	3.83E-06	
3	0	61	60	6651.80	2	6245.84	1.6011	0.0400	0.0	0.0	9.85E-10	1.00E-0B	3.71E-08	1.19E-05
3	0	11	10	202.12		6246.23	1.6010	0.0545	4.87E-06	3.91E-06	2.97E-06	2.30E-06		8.35E-08
4	1	5	6	2223.28	1	6246.72	1.6008	0.0621	5.34E-08	5.46E-06	2.97E-05	3.63E-05	1.81E-06 4.66E-05	1.45E-06 5.17E-05
5	2	21	20	5051.77	1	6246.90	1.6008	0.0447	0.0	7.57E-08	2.78E-06	1.505-05	3.78E-05	
5	2	48	47	8487.11	1	6247.15	1.6007	0.0400	0.0	0.0	3.60E-08	7.64E-07	4.40E-06	6.59E-05 1.33E-05
4	1	75	74	12526.50	ī	6247.38	1.6007	0.0400	0.0	0.0	0.0	5 • 1 4E-09	7.80E-08	4.50E-07
3	0	20	21	886.95	1	6247.84	1.6006	0.0447	2.35E-05	9.756-05	1.28E-04	1.31E-04	1.22E-04	1.09E-04
5	2	22	21	5130.82	ï	6248.33	1.6004	0.0435	0.0	6.63E-08	2.59E-06	1.44E-05		
3	0	60	59	6436.11	2	6248.40	1.6004	0.0400	0.0	0.0	1.35E-09	1.26E-08	3.71E-05 _ 4.41E-08	9.60E-08
5	2	47	46	8312.24	1	6248.58	1.6004	0.0400	0.0	0.0	4.61E-08	9.13E-07	5.04E-06	1.48E-05
3	0	90	89	15003.98	1	6248.66	1.6003	0.0400	0.0	0.0	0.0	0.0	2.52E-09	2.16E-08
3	0	12	11	242.53	2	6248.72	1.6003	0.0542	4.43E-06	3.92E-06	3.08E-06	2.42E-06	1.92E-06	1.55E-06
5	2	23	22	5213.61	1	6249.65	1.6001	0.0423	0.0	5.74E-08	2.40E-06	1.38E-05	3.62E-05	6.48E-05
5	2	46	45	8140.98	1	6249.90	1.6000	0.0400	0.0	1.35E-10	5.87E-08	1.08E-06	5.755-06	1.64E-05
3	0	59	58	6223.85	2	6250.85	1.5998	0.0400	0.0	0.0	1.84E-09	1.58E-08	5.27E-08	1 • 1 1E-07
5	2	24	23	5300.14	1	6250.87	1.5998	0.0412	0.0	4.92E-08	2.20E-06	1.31E-05	3.51E-05	6.37E-05
4	1	4	5	2200.42	1	6251.05	1.5997	0.0645	5.01E-08	4.85E-06	1.82E-05	3.14E-05	4.00E-05	4.43E-05
5	2	45	44	7973.35	1	6251.10	1.5997	0.0400	0.0	1.95E-10	7.41E-08	1.28E-06	6.53E-06	1.82E-05
3	0	13	12	286.60	2	6251.11	1.5997	0.0540	3.93E-06	3.87E-06	3.14E-06	2.51E-06	2.02E-06	1.64E-06
4	1	74	73	12254.55	1	6251.85	1.5995	0.0400	0.0	0.0	0.0	6.94E-09	9.87E-08	5.45E-07
5	2	25	24	5390.41	1	6251.98	1.5995	0.0400	0.0	4.16E-08	2.00E-06	1.23E-05	3.38E-05	6+23E-05
5	2	44	43	7809.34	1	6252.20	1.5994	0.0400	0.0	2.80E-10	9+31E-08	1.51E-06	7.38E-06	2.00E-05
5	2	26	25	5484.40	1	6252.97	1.5992	0.0400	0.0	3.49E-08	1.81E-06	1.16E-05	3.25E-05	6.07E-05
5	2	43	42	7648.97	1	6253.18	1.5992	0.0400	0.0	3.97E-10	1.16E-07	1.76E-06	8.31E-06	2.20E-05
3	0	58	57	6015.03	2	6253.19	1.5992	0.0400	0.0	0.0	2.50E-09	1.97E-08	6.26E-08	1.27E-07
3	0	14	13	334.34	2	6253.40	1.5991	0.0528	3.41E-06	3.76E-06	3.17E-06	2.58E-06	2.10E-06	1.72E-06
3	0	19	20	806.42	1	6253.75	1.5990	0.0458	3.33E-05	1.14E-04	1.40E-04	1.38E-04	1.26E-04	1.12E-04
5	2	27	26	5582.12	1	6253.86	1.5990	0.0400	0.0	2.90E-08	1.62E-06	1.08E~05	3.10E-05	5.89E-05
5	2	42	41	7492.24	1	6254.05	1.5990	0.0400	0.0	5.58E-10	1.445-07	2.05E-06	9.32E-06	2.40E-05
5	2	28	27	5683.57	1	6254.64	1.5988	0.0400	0.0	2.38E-08	1.45E-06	1.00E-05	2.94E-05	5.69E-05
5	2	41	40	7339.16	1	6254.81	1.5988	0.0400	0.0	7.76E-10	1.77E-07	2.38E-06	1.04E-05	2.62E-05
3	0	89	88	14679.17	1	6254.84	1.5988	0.0400	0.0	0.0	0.0	1.32E-10	3.36E-09	2.74E-08
4	1	3	4	2181.37	1	6255.28	1.5986	0.0676	4.435-08	4.10E-06	1.52E-05	2.59E-05	3.29E-05	3.63E-05
5	2	29	28	5788.74	1	6255.31	1.5986	0.0400	0.0	1.93E-08	1.28E-06	9.23E-06	2.78E-05	5.47E-05
3	0	57	56	5809.67	2	6255.43	1.5986	0.0400	0.0	0.0	3.38E-09	2.45E-08	7.42E-08	1.46E-07
5	2	40	39	7189.73	1	6255.46	1.5986	0.0400	0.0	1.07E-09	2.17E-07	2.74E-06	1.16E-05	2.84E-05
3	0	15	14	385 , 75	2	6255.59	1.5986	0.0517	2.89F-06	3.60E-06	3.17E-06	2.63E-06	2.17E-06	1.79E-06
5	2	30	29	5897.62	1	6255.88	1.5985	0.0400	0.0	1.55E-08	1.126-06	8.46E-06	2.62E-05	5.23E-05
5	2	39	38	7043.96	1	6256.00	1.5985	0.0400	0.0	1.46E-09	2.64E-07	3.15E-06	1.28E-05	3.08E-05
4	t	73	72	11986.02	1	6256.20	1.5984	0.0400	0.0	0.0	1.09E-10	9.33E-09	1.24E-07	6.58E-07
5	2	31	30	6010.21	1	6256.33	1'-5984	0.0400	0.0	1.24E-08	9+82E-07	7.75E-06	2.465-05	5.01E-05
5	2	38	37	6901.85	1	6256.42	1.5984	0.0400	0.0	1.98E-09	3.18E-07	3.59E-06	1.41E-05	3.31E-05
5	2	32	31	6126.50	1	6256.67	1.5983	0.0400	0.0	9.85F-09	8.54E-07	7.06E-06	2.31E-05	4.78E-05
5	2	37	36	6763.42	1	6256.74	1.5983	0.0400	0.0	2.65E-09	3.82E-07	4.07E-06	1.555-05	3.56E~05
5	2	33	32	6246.50	1	6256.91	1.5982	0.0400	0.0	7.73E-09	7.37E-07	6.39E-06	2.15E-05	4.54E-05
5	2	36	35	6628.66	1	6256.95	1.5982	0.0400	0.0	3.51E-09	4.55E-07	4.59E-06	1.69E-05	3.81E-05
5	2	34	33	6370.20	i	6257.03	1.5982	0.0400	0.0	6.00E-09	6.32E-07	5.76E-06	2.00E-05	4.30E-05
5	2	35	34	6497.59	1	6257.04	1.5982	0.0400	0.0	4.61E-09	5.38E-07	5.16E-06	1.84E-05	4.05E-05
3	0	56	55	5607.77	2	6257.56	1.5981	0.0400	0.0	0.0	4.53E-09	3.10E-08	8.76E~08	1.67E-07
3	0	16	15	440.81	2	6257.68	1.5980	0.0505	2.39E-06	3.40E-06	3.13E-06	2.66E-06	2.22E-06	1.85E-06
4	1	2	3	2166.13	1	6259.41	1,5976	0.0707	3.61E-08	3.22E-06	1.18E-05	2.00E-05	2.53E-05	2.78E-05
3	0	18	19	729.71		6259.56	1.5976	0.0470	4.61E-05	1.31E-04	1.53E-04	1.46E-04	1.31E-04	1.14E-04

VU	٧Ł	JU	JL.	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF _WIDTH	*****	** TNTEGRÄT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	NS	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
												•		majoratus praeculary employed distributed to the property and the property of
3	0	55	54	5409.33	2	6259.59	1.5975	0.0400	0+0	1.24E-10	6.05E-09	3.75E-08	1.03E-07	1.90E-07
3	0	17	16	499.54	2	6259.67	1.5975	0.0493	1.94E-06	3.18E-06	3.065-06	2.665-06	2.25E-06	1.90E-06
4	1	72	71	11720.90	1	6260.44	1.5973	0.0400	0+0	0.0	1.61E-10	1.255-08	1.56E-07	7.91E-07
3	0	88	87	14357.63	2	6260.91	1.5972	0.0400	0.0	0.0	0+0	1.90E-10	4.48E-09	3.46E-08
3	0	54	53	5214.37		6261.51	1.5971	0.0400	0+0	1.92E-10	8.03E-09	4.60E-08	. 1.21E-07.	2.16E-07
3	0	18	17	561.92		6261.56	1.5970	0.0482	1.54E-06	2.93E-06	2.96E-05	2.646-08	2.27E-06	1.93E-06
3	0	53	52	5022.89		6263.33	1.5966	0.0400	0+0	2.95E-10	1.05E-08	_ 5.62E~08	1.41E-07	2.44E-07
3 4	0	19	18	627.96		6263.34	1 +5966	0.0470	1 * 50E-06	2.67E-06	2.85E-06	2.616-06	2.285~06	1.96E-06
4	1	1 71	2 70	2154.70	1	6263.43	1.5966	0.0738	2.566-08	-	8.07E-06	1 .36E-05	1 • 72E-05	_1.89E-05
3	0	20	19	11459.21 697.65	2	6264+56	1.5963	0.0400	9.0	0.0	2.396-10	1.66E-08	1.955-07	9.49E-07
3	ō	52	SI	4834.91	2	6265.03 6265.04	1.5962	0.0458	9.11E-07	2.40E-06	2.71E-06	2.55E-06	2.27E-06	1.31E-00 "
3	0	17	18	656.82	1	6265.27	1.5962 1.5961	0.0400 0.0482	0.0	4.50E-10	1.39E-08	6.83E-08	1.63E-07	2.75E-07
3	ŏ	21	20	771.00	ż	6266.62	1.5958	0.0447	6.27E-05 6.80E-07	1.50E-04	1.64E-04	1.52E-04	1.34E-04	1.16E-04
3	ŏ	51	*50	4650-41	ž	6266.64	1.5958	0.0400	0.0	2.14E-06	2.56E-06 1.81E-08	2.48E-06	2.245-06	1.97E-06
3	ō	87	86	14039.36	i	6266.87	1.5957	0.0400	0.0	6.80E-10	0*0 '''''''''''''''''''	8.26E-08		3.09 <u>E-07</u>
4	ŧ	0	£	2147.08	ž	6267,34	1.5956	0.0769	1.345-08	1-14E-06	4.12E-06	2.73E-10 6.94E-06	5.95E-09 8.74E-06	4.37E-08
3	ō	22	21	847.99	2	6268.10	1.5954	0.0435	4.986-07	1.88E-06	2.39E-06	2.39E-06	2.20E-06	9.595-06 14965-06
3	0	50	49	4469.43	2	6268.15	1.5954	0.0400	0.0	1.02E-09	2.345-08	9.95E-08	2.185-07	3.47E-07
4	ì	70	69	11200.97	1	6268.57	1.5953	0.0400	0.0	0.0	3.515-10	2.20E-08	2.43E-07	1.14E-06
3	0	23	22	928.62	2	6269.49	1.5950	0.0423	3.576-07		2 . 22E-06	2.305-06	2.15E-06	1.94E-06
3	0	49	48	4291.95	2	6269.54	1.5950	0.0400	0.0	1.51E-09	3.016-08	1.19E-07	2.51E-07	3.87E-07
3	ð	24	23	1012.90	2	6270.77	1.5947	0.0412	2.51E-07	1.41E-06	2.05E-06	2-195-06	2.09E-06	1.91E-05
3	٥	48	47	4117.99	2	5270.83	1.5947	0.0400	0.0	2.22E-09	3.856-08	1.426-07	2.87E-07	4.31E-07
3	0	16	17	587.75	1	6270.88	1.5947	0.0493	8.336-05	1 * 69E-04	1.75E-04	1.58E-04	1.37E-04	1.17E-04
3	0	25	24	1100.81	Z	6271.95	1.5944	0.0400	1.735-07	1.20E-06	1.876-06	2.07E-06	2.03E-06	1.88E-06
Э	0	47	46	3947.55	2	6272.02	1.5944	0.0400	0.6	3.236-09	4.89E-08	1.696-07	3,276-07	4.78E-07
4	1	69	68	10946.18	ä	6272.46	1.5943	0.0400	0.0	0.0	5-136-10	2.91E-08	3.02E-07	1.35E-06
3	ø	86	85	13724.39	1	6272.70	1.5942	0.0400	0+0	0.0	0.0	3.89E-10	7.875-09	5.50E-08
3	ð	26	25	1192.36	2	6273.03	1.5941	0.0400	1.176-07	1.015-06	1.70E-06	1.958-06	1.95E-06	1.83E-06
3	0	45	45	3780.65	2	6273.10	1.5941	0.0400	0.0	4.666-09	6-18E-08	2.00E-07	3.71E-07	5.285-07
3	0	27	26	1287.55	2	6274-01	1.5939	0.0400	7.80E-08	8.46E-07	1.536-06	1.825-06	1.87E-06	1.78E-06
3	O	45	44	3617.28	2	6274.08	1.5939	0.0400	0.0	6.66E-09	7-76E-08	2.356-07	_4.20E-07_	5-81E-07
4 3	1	1 28	0 27	2143.27	1	6274.86	1.5937	0.0769	1.40F-0B	1.18E-06	4.245-06	7.136-06	8.976-06	9+836-06
3	õ	44	43	1386.36 3457.45	2	6274.88	1.5937	0.0400	5.096-08	6.996-07	1.37E-06	1.70E-06	1.78E-06	_ 1.*72E-06.
3	Ö	29	28	1488.80	2	6274.96	1.5936	0.0400	0.0	9.446-09	9.68E-08	2.755-07	4.72E-07	6+38E-07
3	Ç	43	42	3301.17	ź	6275.56 6275.73	175935	0.0400 """	3.26E-08	5.726-07	1.22E-06	1.576-06	1-698-06	r-60E-00
4	1	66	67	10694.85	i	6276.24	1.5934 1.5933	0.0400	0.0	1-336-08	1-205-07	3.206-07	5.306-07	6.98E-07
3	å	30	29	1594.65	ż	6276.33	1.5933	0.0400 0.0400	0.0 2.04E-08	0.0	7.456-10	3.82E-08	3.748-07	1.015-00
ž	õ	42	41	3148.44	2	6276.39	1.5933	0.0400	0.0	4.63E-07 1.84E-08	1.076-06	1-446-06	1.59E-06	1.59E-06
3	ō	15	16	522.50	ī	6276.39	1.5933	0.0505	1.085-04	1.88E-04	1.48E-07 1.85E-04	3.70E-07 1.62E-04	5.926-07	7.61E-07
3	Ö	31	30	1704.53	2	6276.90	1.5931	0.0400	1.27E-08	3.746-07	9.435-07	1.33E-06	1.396-04	1.176-04
3	o	41	40	2999.27	2	6276.95	1.5931	0.0400	0.0	2.54E-08	1.81E-07	4.27E-07	1.50E-06 6.58E-07	1.53E-06 8.26E-07
3	Q	32	31	1817.82	2	6277.37	1.5930	0.0400	7.71E-09	2.98E-07	8.245-07	1.216-06	1.416-06	1.47E-06
3	0	40	39	2853.67	2	6277.41	1.5930	0.0400	0.0	3.47E-08	2.205-07	4.90E-07	7.296-07	8.94E-07
3	0	33	32	1934.72	2	6277.74	1.5929	0.0400	4.61E-09	2.365-07	7.15E-07	1.10E-06	1.32E-06	1.405-06
3	ø	39	38	2711.64	2	6277.77	1.5929	0.0400	1.42E-10	4.706-08	2.65E-07	5.59E-07	8-04E-07	9.64E-07
3	0	34	33	2055.22	2	6278.00	1.5929	0.0400	2.70E-09	1.85E-07	6.17E-07	9.99E-07	1.235-06	1+33E-06
3	0	38	37	2573.18	2	6278.02	1.5929	0.0400	2.66E-10	6.298-08	3.18E-07	6.34E-07	8.83E-07	1.03E-06
3	Q	35	34	2179.32	2	6278-16	1.5928	0.0400	1.56E-09	1.438-07	5.286-07	8.99E-07	1-14E-06	1.255-06
3	0	37	36	2438.31	2	6278.17	1.5928	0.0400	4.88E-10	8.366-08	3.796-07	7.16E-07	9.656-07	1.116-06
3	ø	36	35	2307.02	2	6278.22	1.5928	0.0400	8.79E-10	1.108-07	4.495-07	8.04E-07	1.056-06	1.18E-06

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF - WIDTH	*******	** INTEGRAT	ED ** ABSORI		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
3	0	85	84	13412.71	1	6278,42	1.5928	0.0400	0.0	0.0	0.0	5.53E-10	1.04E-08	6.90E-08
4	1	2	1	2147.08	1	6278.46	1.5927	0.0738	2.78E-08	2.37E-06	8.53E-06	1.44E-05	1.81E-05	1.99E-05
4	1	67	66	10446.99	1	6279.90	1.5924	0.0400	0.0	0.0	1.08E-09	5.00E-08	4.61E-07	1.90E-06
3	0	14	15	461.08	1	6281.79	1.5919	0.0517	1.38E-04	2.06E-04	1.93E-04	1.66E-04	1 • 39E-04	1-17E-04
4	1	3	2	2154.70	1	6281.95	1.5919	0.0707	4.07E-08	3.54E-06	1.28E-05	2.16E-05	2.73E-05	3.00E-05
4	1	66	65	10202.62	1	6283.45	1.5915	0.0400	0.0	0.0	1.54E-09	6.50E-08	5.65E-07	2.25E-06
3	0	84	83	13104.36	1	6284.02	1.5913	0.0400	0.0	0.0	0.0	7.83E-10	1.36E-08	8.63E-08
4`	1	4	3	2166.13	1	6285.34	1.5910	0.0676	5.20E-08	4.65E-06	1.70E-05	2.88E-05	3.65E-05	4.02E-05
4	1	65	64	9961.74	1	6266.88	1.5906	0.0400	0.0	0.0	2.20E-09	8.43E-08	6-91E-07	2.65E-06
3	0	13	14	403.48	1	6287.09	1.5906	0.0528	1.71E-04	2.23E~04	1.99E-04	1.67E-04	1.39E-04	1.15E-04
4	1	5	4	2181.37	1	6288.63	1.5902	0.0645	6.12E-08	5.67E-06	2.10E-05	3.58E-05	4.55E-05	5.02E-05
3	0	83	62	12799.33	1	6289.50	1.5900	0.0400	0.0	0.0	0.0	1.105-09	1.79E-08	1.08E-07
4	1	64	63	9724.36	1	6290.20	1.5898	0.0400	0.0	0.0	3.12E-09	1.09E-07	8.42E-07	3.10E-06
4	1	6	5	2200.42	1	6291.80	1.5894	0.0621	6.79E-08	6.58E-06	2.47E-05	4.26E-05	5.43E-05	6.01E-05
3	0	12	13	349.72	1	6292.29	1.5892	0.0540	2.08E-04	2.38E-04	2.04E-04	1.67E-04	1.375-04	1.13E~04
4	1	63	62	9490.49	1	6293.40	1.5890	0.0400	0.0	0.0	4.40E-09	1.39E-07	1.02E-06	3.63E-06
3	0	82	81	12497.64	1	6294.87	1.5886	0.0400	0.0	0.0	0.0	1.55E-09	2.33E-08	1.34E-07
4	1	7	6	2223,28	1	6294.88	1.5886	0.0597	7.19E-08	7.36E-06	2.82E-05	4.89E-05	6.285-05	6.97E~05
4	1	62	61	9260.14	1	6296.49	1.5882	0.0400	0.0	0.0	6.16E-09	1.78E-07	1.24E-06	4.23E-06
3	0	11	12	299.78	1	6297.38	1.5880	0.0542	2.46E-04	2.50E-04	2.06E-04	1.66E-04	1.34E-04	1.09E-04
4	1	8	7	2249.94	1	6297.84	1.5878	0.0574	7.32E-08	7.99E-06	3.126-05	5.48E-05	7.08E-05	7.90E-05
4	1	61	60	9033.32	1	6299.47	1.5874	0.0400	0.0	0.0	8.58E-09	2.27E-07	1.49E-06	4.91E-06
3	0	81	80	12199.31	1	6300.12	1.5873	0.0400	0.0	0.0	0.0	2.16E-09	3.03E-08	1.66E-07
4	1	9	8	2280.41	1	6300.70	1.5871	0.0550	7.20E-08	8.46E-06	3+39E-05	6.02E-05	7.83E-05	8.77E-05
4	1	60	59	8810.04	1	6302.33	1.5867	0.0400	0.0	0.0	1.19E-08	2.87E-07	1.78E-06	5.68E-06
3	0	10	11	253.68	1	6302.37	1.5867	0.0545	2.84E-04	2.59E-04	2.05E-04	1.62E-04	1.30E-04	1.05E-04
4	1	10	9	2314.69	1	6303146	1.5864	0.0547	6.87E-08	8.76E-06	3.61E-05	_6.50E-05	8.52E-05	9.60E-05
4	1	59	58	8590.31	1	6305.08	1.5860	0.0400	0.0	0.0	1.64E-08	3.63E-07	2.14E-06	6.59E-06
3	0	80	79	11904.34	1	6305.25	1.5860	0.0400	0.0	0.0	0.0	3.00E-09	3.92E-08	2.05E-07
4	1	11	10	2352.76	1	6306.10	1.5858	0.0545	6.37E-08	8.90E-06	3.78E-05	6.91E-05	9.145-05	1.04E-04
3	0	9	10	211.42	1	6307.26	1.5855	0.0547	3.20E-04	2.63E-04	2.02E-04	1.57E~04	1.24E-04	9.99E-05
4	1	58	57	8374.14	1	6307.71	1.5854	0.0400	0.0	0.0	2.26E-08	4.58E-07	2.57E-06	7.63E-06
4	2	12	11	2394.64	1	6308.64	1.5851	0.0542	5.75E-08	8.88E-06	3.90E-05	7.25E-05	9.69E-05	1-11E-04
4	1	57	56	8161.53	1	6310.23	1.5847	0.0400	0.0	0.0	3.09E-08	5.75E-07	3.06E-06	8.796-06
3	0	79	78	11612.75	1	6310.27	1.5847	0.0400	0.0	0.0	0.0	4-16E-09	5.07E-08	2.52E-07
4	1	13	12	2440.32	1	6311.08	1.5845	0.0540	5.06E-08	8.72E-06	3.97E-05	7.52E-05	1.025-04	1.17E-04
3	0	8	9	172.99	1	6312.05	1.5843	0.0550	3.49E-04	2.62E-04	1.95E-04	1.49E-04	1.17E-04	9.36E-05
4	1	56	55	7952.49	1	6312.64	1.5841	0.0400	0.0	1.12E-10	4.19E-08	7.18E-07	3.64E-06	1.01E-05
4	1	14	13	2489.80	1	6313.40	1.5839	0.0528	4.35E-08	8.44E-06	4.00E-05	7.72E-05	1.06E-04	1.22E-04
4	1	55	54	7747.04	1	6314.94	1.5835	0.0400	0.0	1.79E-10	5-66E-08	8.93E-07	4.31E-06	1.16E-05
3	0	70	77	11324.54	1	6315.17	1.5835	0.0400	0.0	0.0	0.0	5.736-09	6.52E-08	3-10E-07
4	1	15	14	2543.08	1	6315.62	1.5834	0.0517	3.65E-08	8.05E-06	3.98E-05	7.85E-05	1.09E-04	1.27E-04
3	0	7	8	138.40	1	6316.73	1.5831	0.0574	3.70E-04	2.56E-04	1.85E-04	1 - 39E-04	1.09E-04	8.64E-05
4	1	54	53	7545.17	1	6317.12	1.5830	0.0400	0.0	2.82E~10	7.59E-08	1.11E-06	5.08E-06	1.32E-05
4	1	16	15	2600.15	1	6317.73	1.5828	0.0505	2.99E-08	7.57E-06	3.92E-05	7.91E-05	1.11E-04	1.31E-04
4	1	53	52	7346.91	1	6319.19	1.5825	0.0400	0.0	4.40E-10	1.01E-07	1.36E-06	5.97E-06	1.50E-05
4	1	17	16	2661.01	1	6319.74	1.5823	0.0493	2.40E-08	7.03E-06	3.82E-05	7.89E-05	1.12E-04	1.34E-04
3	0	77	76	11039.74	1	6319.95	1.5823	0.0400	0.0	0.0	1.346-10	7.86E-09	8.35E-08	3.80E-07
4	1	52	51	7152.25	ī	6321.14	1.5820	0.0400	0.0	6.816-10	1.34E-07	1.67E-06	6.98E-06	1.71E-05
3	ō	6	7	107.65	ī	6321.30	1.5820	0.0597	3.79E-04	2.43E-04	1.715-04	1.28E-04	9.87E-05	7.82E-05
4	1	18	17	2725.67		6321.64	1.5819	0.0482	1.89E-08	6.44E-06	3.68E-05	7.82E-05	1.13E-04	1.36E-04
4	1	51	50	6961.20	1	6322.99	1.5815	0.0400	0.0	1.04E-09	1.77E-07	2.04E-06	8.14E-06	1.93E-05
4	1	19	18	2794.11	ĭ	6323.43	1.5614	0.0470	1.45E-08	5.83E-06		7.69E-05	1.13E-04	1.38E-04
					_			,,,,,,,		~~~~~~		7		- 400E-07

VU	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSOR	PTION ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
3	0	76	75	10750.35	1	6324.62	1.5811	0.0400	0.0	0.0	2.04E-10	1.07E-08	1.07E-07	4.64E-07
4	ĭ	50	49	6773.78	i	6324.72	1.5811	0.0400	0.0	1.59E~09	2.31E-07	2.47E-06	9.44E-06	2.17E-05
4	1	20	19	2866.33		6325.11	1.5810	0.0458	1.09E-08	5.22E-06	3.34E-05	7.50E-05	1.12E-04	1.38E-04
à	ō	5	6	80.74	1	6325.78	1.5808	0.0621	3.73E-04	2.24E-04	1.55E-04	1 - 14E-04	8.77E-05	6.91E-05
4	1	49	48	6589.98		6326.34	1.5807	0.0400	0.0	2.39E-09	3.00E-07	2.99F-06	1.09E-05	2.44E-05
4	1	21	20	2942.34		6326.68	1.5806	0.0447	8.03E-09	4.61E-06	3.14E-05	7.26E-05	1.11E-04	1.38E-04
4	1	48	47	6409.82		6327.85	1.5803	0.0400	0.0	3.57E-09	3.88E-07	3.59E-06	1.26E-05	2.73E-05
4	1	22	21	3022.13	1	6328-15	1.5802	0.0435	5.80E-09	4.03E-06	2.92E-05	6.99E-05	1.09E-04	1.37E-04
3	0	75	74	10480.37	1	6329.17	1.5800	0.0400	0.0	0.0	3.10E-10	1.46E-08	1.36E-07	5.64E-07
4	1	47	46	6233.30	1	6329.24	1.5800	0.0400	0.0	5.27E-09	4.98E→07	4.29E-06	1.44E-05	3.04E-05
4	1	23	22	3105.69	1	6329.51	1.5799	0.0423	4.10E-09	3.49E-06	2.70E-05	6.68E-05	1.06E-04	1.35E-04
3	0	4	5	57.67	1	6330.14	1.5797	0.0645	3.51E-04	1.99E-04	1.35E-04	9.88E-05	7.54E-05	5.92E-05
4	1	46	45	6060.43	1	6330.53	1.5796	0.0400	0.0	7.72E-09	6.35E-07	5.11E-06	1.64E-05	3.37E-05
4	1	24	23	3193.03	1	6330.76	1.5796	0.0412	2.85E-09	2.98E-06	2.48E-05	6.34E-05	1.03E-04	1.33E-04
4	1	45	44	5891.22	1	6331.70	1.5794	0.0400	0.0	1.12E-08	8.04E-07	6.05E-06	1.87E-05	3.73E-05
4	1	25	24	3284.13	1	6331.90	1.5793	0.0400	1.93E-09	2.52E-06	2.25E-05	5.98F-05	9.89E-05	1.30E-04
4	1	44	43	5725.68	1,	6332.76	1.5791	0.0400	0.0	1.61E-08	1.01E-06	7.136-06	2.12E-05	4.12E-05
4	1	26	25	3379.00	1	6332.93	1.5790	0.0400	1.29E-09	2.11E-06	2.03E-05	5.60E-05	9-48E-05	1.275-04
3	0	74	73	10205.84	1	6333.61	1.5789	0.0400	0.0	0.0	4.69E-10	1.98E-08	1.72E-07	6.85E-07
4	1	43	42	5563.80	1	6333.71	1.5789	0.0400	0.0	2.29E-08	1.27E-06	8.36E-06	2.39E-05	4.53E-05
4 3	0	27 3	26 4	3477.63 38.45	1	6333.85	1.5788	0.0400 0.0676	8.42E-10 3.10E-04	1.74E~06	1.82E-05	5.22E-05	9.04E-05	
4	1	42	41	5405.60	1 1	6334.41 6334.54	1.5787 1.5786	0.0400	0.0	1.69E-04 3.23E-08	1.13E-04 1.57E-06	8.16E-05 9.75E-06	6.20E-05 2.68E-05	4.86E-05 4.95E-05
4	î	28	27	3580.03	i	6334.67	1.5786	0.0400	5.40E-10	1.43E-06	1.62E-05	4.83F-05	8.58E-05	1 • 18E-04
4	i	41	40	5251.08	i	6335.27	1.5785	0.0400	0.0	4.51E-08	1.94E-06	1.13E-05	3.00E-05	5.40E-05
4	i	29	28	3686.17		6335.37	1.5784	0.0400	3.39E~10	1.16E-06	1.43E-05	4.45E-05	8.11E-05	1.14E-04
4	1	40	39	5100.25	ī	6335.89	1.5783	0.0400	0.0	6.24E-08	2.38E-06	1.31E-05	3.34E-05	5.87E-05
4	1	30	29	3796.07	ī	6335.97	1.5783	0.0400	2.09E-10	9.30E-07	1.255-05	4.07E-05	7.62E-05	1.09E-04
4	1	39	38	4953.12	1	6336.39	1.5782	0.0400	0.0	8.54E-08	2.90E-06	1.50E-05	3.70E-05	6.36E-05
4	1	31	30	3909.71	1	6336.45	1.5782	0.0400	1.27E-10	7.42E-07	1.09E-05	3.73E-05	7.176-05	1.045-04
4	1	38	37	4809.68	1	6336.78	1.5781	0.0400	0.0	1.16E-07	3.51E-06	1.71E-05	4.08E-05	6.86E-05
4	1	32	31	4027.09	1	6336.83	1.5781	0.0400	0.0	5.87E-07	9.50E-06	3.39E-05	6.71E-05	9.94E-05
4	1	37	36	4669.95	1	6337.07	1.5780	0.0400	0.0	1.56E-07	4.21E-06	1.94E-05	4.495-05	7.37E-05
4	1	33	32	4148.21	1	6337.10	1.5780	0.0400	0.0	4.59E-07	8.19E-06	3.07E-05	6.25E-05	9.44E-05
4	1	36	35	4533.94	1	6337.24	1.5780	0.0400	0.0	2.075-07	5.03E-06	2.20E-05	4.91E-05	7.89E-05
4	1	34	33	4273.06	1.	6337.26	1.5780	0.0400	0.0	3.56€-07	7.01E-06	2.76E-05	5.79E-05	8.92E-05
4	I	35	34	4401.64	1	6337.30	1.5780	0.0400	0.0	2.73E-07	5.96E-06	2.47E-05	5.34E-05	8.41E-05
3	0	73	72	9934.75	1	6337.93	•5778	0.0400	0.0	0.0	7.04E-10	2.67E-08	2.17E-07	8.28E-07
3	0	2	3	23.07	1	6338.57	1.5776	0.0707	2.53E-04	1.32E-04	8.73E-05	6.29E-05	4.76E-05	3.72E-05
3	0	72	71	9667.11	1	6342.13	1.5768	0.0400	0.0	0.0	1.05E-09	3.58E-08	2.73E-07	9.98E-07
3	0	1	2	11.54		6342.62	1.5766	0.0738	1.80E-04	9.16E-05	5.98E-05	4.29E-05	3.24E-05	2.535-05
3	0	71	70	9402.94	1	6346.22	1.5757	0.0400	0.0	0.0	1.56E-09	4.78E-08	3.43E-07	1.20E-06
3	0	-0	1	3.85	1	6346.57	1.5757	0.0769	9.42E-05	4.71E-05	3.06E-05	2.19E-05	1.65E-05	1.28E-05
3	0	70	69	9142.25	1	6350.19	1.5748	0.0400	0.0	0.0	2.30E-09	6.355-08	4.28E-07	1.44E-06
3 3	0	69	68	8885.04	1	6354.05	1.5738	0.0400	0.0	0.0	3.38E-09	8.41E-08	5.33E-07	1.72E-06
3	0	1 2	0	~0∙0	1	6354.16	1.5738	0.0769	9.81E-05	4.86E-05	3.15E-05	2.25E-05	1.69E-05	1.32E-05
3	ő	68	67	28.E 8631.33	1 1	6357.79 6357.80	1.5729 1.5729	0.0738 0.0400	1.95E-04 0.0	9.76E-05 0.0	6.34E-05 4.92E-09	4.536-05	3.41E-05	2.66E-05
3	0	3	ž	11.54	1	6361.32	1.5729	0.0707	2.86E-04	1.46E-04	9.51E-05	1.11F-07 6.83E-05	6.60E-07 5.15E-05	2.04E-06 4.02E-05
3	ő	67	66	8381.13	î	6361.43	1.5720	0.0400	0.0	0.0	7.13E-09	1.45E-07	8.15E-07	2.42E-06
3	ō	4	3	23.07	i	6364.75	1.5712	0.0676	3.66E-04	1.91E-04	1.26E-04	9.10E-05	6.88E-05	5.385-05
3	ō	66	65	8134.45	i	6364.94	1.5711	0.0400	0.0	0.0	1.03E-08	1.89E-07	1.00E-06	2.87E-06
3	ŏ	5	4	70 45		6368.07	1.5703	0.0645	4.30E-04	2.34E-04	1.56E-04	1 • 1 3E-04	8.59E-05	6.73E-05

٧	U,	VL.	JU	JĻ	LOWER STATE	CODE	WAVE .	WAVE LENGTH	HALF WIDTH	*******	** INTEGRAT		PTION ** CO	EFFICIENT *	*****
** =					ENERGY	• •	CM-1	HICRON	N2	T = 300	T = 600	T = 900	T = 1200	T = 1500	T = 1800
												1 - 300	1 = 1200	- 1300	1 = 1800
	3	. 0.	65	6.4	7891.29	,	6368.34 _	1-5703	0.0400	0.0	0-0	1.47E-08_	2 445-07	1 275-06	7 705 04
	3	0	. 6	5	57.67		6371.28	1.5695	0.0621	4.77E-04	2.71E-04	1.84E-04	1.34E-04	1.02E-06	3.38E-06 8.05E-05
	3	ō	64	63	7651.67		6371.63	1.5695_,,		0.0	0.0		3.18E-07		3.97E-06
	3	ò	7	6	80.74		6374.38	1.5688	0.0597	5.04E-04	3.03E-04	2.09E-04	1.54E-04	1.18E-04	9.34E-05
	3	0	63	62	7415.60			1.5687	0.0400	0.0	1.22E-10	2.96E-08	4.09E-07	1.825-06	4.65E-06
	3	0	8	7	107.65	-	6377.39	1.5680	0.0574	5.13E-04	3.29E-04	2.32E-04	1.73E-04	1.34E-04	1.06E-04
	3	0	62	61	7183.08		6377.86	1.5679	0.0400	0.0	2.06E-10	4.16E-08	5.24E-07	2.21E-06	
	3	0	9	8	138.40		6380.28	1.5673	0.0550	5.04E-04	3.48E-04	2.52E-04	1.90E-04	1.48E~04	1.18E-04
	3	0	61	60	6954.12		6380.80		0.0400	0.0	3.46E-10	5.81E-08	6.68E-07	2.66E-06	6.31E-06
	3	Ò	10	9	172.99		6383.07	1.5666	0.0547	4.80E-04	3.60E-04	2.68E-04	2.05E-04	1.61E-04	1.29E-04
	3	0	60	59	6728.75		6363.63	1.5665	0.0400	0.0	5.74E-10	8.06E-08	8.47E-07	3.20E-06	7.31E-06
	3,	0	11	10	211.42	1	6385.75	1.5660	0.0545	4.45E-04	3.65E-04	2.80E-04	2-18E-04	1.72E-04	1.39E-04
	3	0	59	58	6506.95		6386.34	1.5658	0.0400	0.0	9.52E-10	1.12E-07	1.08E-06	3.86E-06	8.50E-06
	3	0	12	11	253.68	1	6388.32	1.5654	0.0542	4.01E-04	3.65E-04	2.89E-04	2.29E-04	1.83E-04	1.48E-04
	3	0	58	57	6288.75	1	6368.95	1.5652	0.0400	0.0	1.56E-09	1.54E-07	1.36E-06	4.63E-06	9.84E-06
	3	0	13	12	299.78	1	6390.79	1.5648	0.0540	3.52E-04	3.58E-04	2.94E-04	2.37E-04	1.92E-04	1.57E-04
	3	0	57	56	6074.14	1	6391.43	1.5646	0.0400	0.0	2.545-09	2.11E-07	1.71E-06	5.53E-06	1.14E-05
	3	0	14	13	349.72	1	6393.15	1.5642	0.0528	3.02E-04	3.46E-04	2.96E-04	2.43E-04	1.99E-04	1.64E-04
	3	0	56	55	5863.14	1	6393.81	1.5640	0.0400	0.0	4.10E-09		2.14E-06	6.58E-06	1.31E-05
	3	0	15	14	403,48	1	6395.41	1.5636	0.0517	2.53E-04	3.29E-04	2.94Ê-04	2.47E-04	2.05E-04	1.70E-04
	3	0	55	54	5655.77	1	6396.07	1.5635	0.0400	0.0	6.56E-09	3.90E-07	2.67E-06	7.80F-06	1.50E-05
	3	0	16	15	461.08	1	6397.55	1.5631	0.0505	2.07E-04	3-10E-04	2.90E-04	2.49E-04	2.09E-04	1.75E-04
	3	0	54	53	5452.01	1	6398.22	1.5629	0.0400	0.0	1.04E-08	5.25E-07	3.31E-06	9.22E-06	1.72E-05
	3	0	17	16	522.50	1	6399.59	1.5626	0.0493	1.66E-04	2.87E-04	2.82E-04	2.48E-04	2.12E-04	1.79E-04
	3	0	53	52	5251.89	1	6400.26	1.5624	0.0400	0.0	1.63E-08	7.02E-07	4.09E-06	1.08E-05	1.96E-05
	3	0	18	17	587.75	1	6401.53	1.5621	0.0482	1.30E-04	2.63E-04	2.72E-04	2.46E-04	2.13E-04	1.82E-04
	3	0	52	51	5055.41		6402.18	1.5620	0.0400	0.0	2.53E-08	9.32E-07	5.02E-06	1 -27E-05	2.22E-05
	3	0	19	18	656.82		6403.35	1,5617	0.0470	9.93E-05	2.38E-04	2.60E-04	2.41E-04	2.13E-04	1.84E-04
	3	0	51	50	4862.58		6403.99	1.5615	0.0400	0.0	3.905-08	1.238-06	6 • 1 4E-06	1.48E-05	2.51E-05
	3	0	20	19	729.71		6405.07	1.5613	0.0458	7.45E-05	2.12E-04	2.46E-04	2.35E-04	'2.11E-04	1.85E-04
	3	0	50	49	4673.40		6405.69	1.5611	0.0400	0.0	5.95E-08	1.62E-06	7.47E-06	1.72E-05	2.83E-05
	3	0	21	20	806.42		6406.67	1.5609	0.0447	5.47E-05	1.87E-04	2.31E-04	2.28E-04	2.08E-04	1.84E-04
	3	0	49	48	4487+89		6407.28	1.5607	0.0400	0.0	9.00E-08	2.11E-06	9.04E-06	2.00E-05	3.18E-05
	3	0	22	21	886.95		6408.18	1.5605	0.0435	3.94E-05	1.64E-04	2.15E-04	2.19E-04	2.04E-04	1.83E-04
	3	0	48	47	4306.05		6408.75	1.5604	0.0400	0.0	1.35E-07	2.73E-06	1.09E-05	2.30E-05	3.57E-05
	3	0	23	22	971.28		6409.57	1.5602	0.0423	2.78E-05	1.41E-04	1.99E-04	2.09E-04	1.995-04	1.81E-04
	3	0	47	46	4127.89		6410.11	1.5600	0.0400	0.0	2.00E-07	3.51E-06	1.30E-05	2.64E-05	3.98E-05
	3	0	24	23	1059.42		6410.85	1.5599	0.0412	1.92E-05	1.20E-04	1.82E-04	1.98E-04	1.93E-04	1.78E-04
	3	0	46	45	3953.41		6411.36	1.5597	0.0400	0.0	2.94E-07	4.48E-06	1.56E-05	3.02E-05	4.43E-05
	3	0	25	24	1151.37		6412.03	1.5596	0.0400	1.30E-05	1.02E-04	1.65E-04	1.87E-04	1.85E-04	1.74E-04
	3	0	45	44	3782.62		6412.50	1.5595	0.0400	0.0	4.28E-07	5.70E-06	1.84E-05	3.44E-05	4.90E-05
	3	0	26	25	1247.11		6413.09	1.5593	0.0400	8.62E-06	8.49E-05	1.49E-04	1.75E-04	1.78E-04	1.69E-04
	3	0	44	43	3615.54		6413.53	1.5592	0.0400	2.14E-10	6.17E-07	7.19E-06	2.18E-05	3.90E-05	5.41E-05
	3	0	27	26	1346.66		6414.05	1.5591	0.0400	5.61E-06	7.01E-05	1.33E-04	1.63E-04	1.69E-04	1.64E-04
	3 3	0	43	42	3452.15		6414.44	1.5590	0.0400	4.52E-10	8.81E-07	_ 9.01E-06	2.56E-05	4.40E-05	5.95E-05
	3 3	0	28	27	1449.99		6414.90	1.5589	0.0400	3.58E-06	5.73E-05	1.18E-04	1.51E-04	1.61E-04	1.58E-04
	3	0	42 29	41 28	3292.48		6415.25	1.5588	0.0400	9.38E-10	1.25E-06	1.12E-05	2.99E-05	4.95E-05	6.53E-05
	3	0	41		1557.12		6415.64	1.5587	0.0400	2.24E-06	4.64E-05	1.04E-04	1.39E-04	1.52E-04	1.51E-04
	3	0	30	40 29	3136.53		6415.94	1.5586	0.0400	1.91E-09	1.75E-06	1.39E-05	3.47E-05	5.54E-05	7 • 1 3E-05
	3	0	40	39	1668.03		6416.27	1.5585	0.0400	1.37F-06	3.71E-05	9-126-05	1.27E-04	1.42E-04	1.45E-04
	3	Ö	31	30	2984.30 1782.72		6416.52	1.5585	0.0400	3.82E-09	2.42E-06	1.705-05	4.01E-05	6.18E-05	7.756-05
	3	Ö	39	38	2835.80		6416.79	1.5584	0.0400	8.31E-07	2.96E-05	7.96E-05	1.16E-04	1.34E-04	1.39E-04
	-	v	37	20	#000 FOO	•	6416.99	1.5584	0.0400	7.49E-09	3.33E~06	2.08E-05	4.61E-05	6.85E-05	8.40E-05

¥υ	VL	IJĻ	JŁ.	LOWER STATE ENERGY	CODE	WAVE NUMBER CM-1	WAVE LENGTH MICRON	HALF WIDTH NZ	******** T = 300	* INTEGRATED	** ABSORP CM-2*A T = 900	TM-1	FFICIENT	******
				LHENGI		CM-1	MICHUM	145	1 - 300	1 - 600	1 - 900	T = 1200	1 = 1500	T = 1800
														<u> </u>
3	0	32	31	1901-19	1	6417.20	1.5583	0.0400	4.93E-07	2.33E-05	6.90E-05	1.05E-04	1.25E-04	1.32E-04
3	0	38	37	2691.03	1	6417.35	1.5583	0.0400	1.44E-08	4.53E-06	2.52E-05	5.28E-05	7.57E-05	9.076-05
3	0	33	32	E4.ES0S	1	6417.50	1.5582	0.0400	2.87E-07	1.82E-05	5.94E-05	9.52E-05	1.16E-04	1.25E-04
3	0	37	36	2550.01	1	6417.60	1.5582	0.0400	2.72E-08	6.10E-06	3.03E-05	6.00E-05	8.33E-05	9.758-05
3	0	34	33	2149.44	1	6417.69	1.5582	0.0400	1.64E-07	1.41E~05	5.07E-05	8.55E-05	1 . 08E-04	1.18E-04
3	0	36	35	2412.73	1	6417.74	1.5582	0.0400	5.05E-08	8.14E-06	3.63E-05	6.79E-05	9-12E-05	1.04E-04
3	0	35	34	2279.20	1	6417.77	1.5582	0.0400	9.19E-08	1.08E-05	4.30E-05	7-64E-05	9.945-05	1-11E-04

Table 7—Fundamental band of CO, $T=1000-3500\,^{\circ}K$. The total number of lines included is 4352. For temperatures less than 3500 $\,^{\circ}K$, the line intensities were set equal to zero for intensities less than approximately 2×10^{-5} . The line intensities correspond to a mass absorption coefficient.

	*** * *****	**, 77, ***	، جويه ه	nt Figures											*****
	VU	VŁ,	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRATE	ED ** ABSORF CM*GN		FFICIENT **	****
					STATE ENERGY		NUMBER CM-1	LENGTH MICRON	WIDTH H2	T = 1000	T = 1500	T = 2000		T = 3000	T = 3500
					CHERGI		ÇM—1	MICKON	HZ.	1 1000	1 = 1500	1 - 2000	1 - 7500	1 2 3000	1 = 3500
	5	4	123	124	35647.34	1	1358.99	7.3584	0.0303	0.0	0.0	0.0	5 • 1 4E-05	1.04F-03	8.34E-03
	4	E	126	127	35119.70	1	1360.06	7.3526	0.0303	0.0	0.0	0.0	5.76E-05	1.115-03	8.56E-03
	. 3	2	129	130	34615.31		1360.83	7.3485	E0E0.0	0.0	0.0	0.0	5.96E-05	1.09E-03	8.16E-03
	··· 6		119		35797.48		1364.41	7.3292	0.0303	0.0	0.0	0.0	5.44E-05	1.12E-03	9.05E-03
	5		122		35234.96		1365.86	7.3214	0.0303	0.0	0.0	0.0	6.50E-05	1.27E-03	9.85E-03
	4		125		34695.28		1367.01	7.3152	0.0303	0.0	0.0	0.0	7.33F-05	1.35E-03	1.0SE-02
** ***			128		34178.80		1367.86	7.3107	0.0303	0.0	0+0	0.0	7.64F-05	1.356-03	9.74F-03
	2		131		33685.91		1368.43	7.3076	0.0303	0.0	0.0	0.0	6.985-05	1.17E-03	8.20E-03
	7		115		35996.63		1369.33	7.3028	0.0303			0.0	_5.45F-05	1.14E-03	9.37F-03
	6		116		35399.70		1371.17	7.2930	0.0303	0.0	0.0	0.0	6.83E-05	1.35E-03	1.06E-02
	5.	- 4			34825.16		1372.70	7.2849	0.0303	0.0	0.0	0.0	8.20F-05 5.20E-05	1.54E-03 1.12E-03	1.16F-02 9.31E-03
			124		34273.40		1373.76	7.2783	0.0303	0.0	0.0	0.0	9.325-05	1.66F-03	1.21E-02
	' '3.		127		33744.82		1374.88	7.2734	0.0303	0.0	0.0	0.0	~9.79F-05	1.65F-03	1.16E-02
	2	1	130		33239.76		1375.53	7.2699	0.0303	0.0	0.0	0.0	9.005-05	1.45E-03	9.84E-03
•	7		114		35613.45		1375.99	7.2675	0.0303		0.0		6.786-05	1.37F-03	1.09E-05
	9		107		36539.95		1377.67	7.2586	0.0303	0.0	0.0	0.0	4.73E-05	1.05F-03	8.89E-03
	6		117		35004.5		1377.91	7.2574	0.0303	0.0	0.0	0.0	9.55E-05	1.63F-03	1.25E-02
	5		120		34417.95		1379.54	7.2468	0.0303	0.0	0.0	0.0	1.03E-04	1.96E-03	1.376-02
N	8	۳٬۶۳	110	"iıi"	35875.7		1380.31	7.2448	0.0303	0.0	0.0	0.0	6.405-05	1.33F-03	1.08E-02
214	4		123		33854.1		1380.86	7.2419	0.0303	0.0	0.0	0.0	1.18E-04	S.02E-03	1.43E-02
•"	з	2	126	127			1381.88	7.2365	0.0303	0.0	0.0	0.0	1.25E-04	2.03E-03	1.38E-02
	2	I	129	130	32796.18	В 1	1382.62	7.2326	0.0303	0.0	0.0	0.0	1.165-04	1.79E-03	1.185-02
	7	- 6	113	114	35232.9	i i	1382.63	7.2326	0.0303	0.0	0.0	0.0	8.41E-05	1.64E-03	1.28F-02
_	1	0	132	133	32302.84	4 1	1383.06	7.2303	0.0303	0.0	0.0	0 • 0	7.935-05	1.176-03	7.435-03
	9	8	106	`107 ``	36185.99	5 i	1384.11	7.2249	0.0303	0.0	0.0	0.0	5.77E-05	1.23F-03	1.02E-02
	6	5	116	117	34611.99		1384.64	7.2221	0.0303	0.0	0.0	0.0	1.07F-04	1.96E-03	1.46E-02
	5			120	34013.3	5 1	1386.35	7.2132	0.0303	0.0	0.0	0.0	1.30F-04	2.25F-03	1.61E-02
	. 8		109		35509.8		1386.84	7.2106	0.0303	0.0	0.0	0.0	7.87E-05	1.58F-03	1.25E-02
	10		102		36543.6		1387.39	7.2078	0.0303	0.0	0.0	0.0	4 • 99F05	1.10E-03	9.39E-03
	4		122		33437.40		1387.76	7.2059	0.0303	0.0	0.0	0.0	1.50F-04	2.46E-03	1.69E-02
	. ;з	2			32884.5		1388.87	7.2001	0.0303	0.0	0.0	0.0	1.60E-04	2.49E-03	1.65E-02
	7		115		34855.04		1389.25	7.1981	0.0303	0.0	0.0	0.0	1 • 04F-04	1.96E-03	1.49F-02
	2		128		32355.1		1389.69	7.1958	0.0303	0.0	0.0	0.0	1.49F-04	2.21E-03	1.41E-02
	1		131		31849.5		1390.21	7.1932	0.0303	0.0	0.0	0.0	1.03E-04	1.45E-03	8.93E-03
	9		105		35834.6		1390.53	7.1915	0.0303	0.0	0.0	0.0	7 • 04F-05	1.45E-03	1.18F-02
	6		115		34222.01		1391.35	7.1873	0.0303	0.0	0.0	0.0	1.33E-04	2.36E-03	1.71F-02
	5 8		118		33611.30		1393 - 15	7.1780	0.0303	0.0	0.0	0.0	1.63E-04	2.73F-03	1.90E-02
	10	9	108	102	35146.60		1393.35	7.1769	0.0303	0.0	0.0	0.0	9.678-05	1.976-03	1.45E-02
	4		121		36206.9		1393.70	7.1751	0.0303	0.0	0.0	0.0	6.036-05	1.29E-03	1.07E-02
	3	2		125	32458-2		1395.84	7.1641	0.0303			0.0	1.89E-04	2.99E-03 3.04E-03	2.00E-02 1.96E-02
	7	6		112	34479.8		1395.85	7.1641	0.0303	0.0	0.0	0.0	1.29F-04	2.34E-03	1.73F→02
	"ii	10		98	36625.89		1396.34	7.1616	0.0303	0.0	~ 6.0	0.0	4.96F-05	1.11E-03	9.47E-03
	2		127		31916.6		1396.74	7.1595	0.0303	0.0	0.0	0.0	1.91F-04	2.716-03	1.68F-02
	~`` •	8	_	105	35486.1		1396.93	7.1586	5.0363	0.0	0.0		~ 8.86E-05	1.71E-03	1.36E-02
	ī	ō			31398.8		1397.35	7.1564	0.0303	0.0	0.0	0.0	1.33E-04	1.79E-03	1.07E-02
	~~ 6		114		33834.8		1398.05	7.1528		0:-0			1.665-04	2.83E-03	2.00E-02
	8		107		34786.1		1399.85	7.1436	0.0303	0.0	0.0	0.0	1.185-04	2.21F-03	1.675-02
	` 5	4			33212.0		1399.93	7.1432	0.0303	0.0	0.0	0.0	2.05E-04	3.29E-03	2.23E-02
	10	9	100		35872.9		1399.99	7.1429	0.0303	0.0	0.0	0.0	7.27F-05	1.51E-03	1.23E-02
	4	3	120	121			1401.51	7.1352	0.0303	0.0	0.0	0.0	2.39Ê-04	3,63E-03	2.36F-02
	7			111			1402.44	7.1304	0.0303	0.0	0.0	0.0	1.595-04	2.79F-03	2.01E-02
											·····				

	VU	'VL```JÜ" 'JĹ'	LOWER STATE		VE IBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORF		EFFÌCIENT *	****
			ENERGY		4-1	MICRON	на	T = 1000	T = 1500		T = 2500	T= 3000	T = 3500
	, 11		36306.52			7.1301	0.0303	0.0	0.0	0.0	5.93F-05	1.285-03	1.07F-02
	* "`` 3		32034.61			7.1287	0.0303	0.0	0.0	0.0	2.59E-04	3.71E-03	2.32F-02
	. 9	8 103 104	35140.28	1 1403		7.1260	0.0303	0.0	0.0	_0.0	1.04F-04	2.015-03	1.56E-02
	2		31480.76	1 1403	.78	7.1236	0.0303	0.0	0.0	0.0	2.45E-04	3.34E-03	2.01F-02
	.1	0 129 130	30950.66	1 1404		7.1201	0.0303	0.0	0.0	0.0	1.71F-04	2.22E-03	1.29E-02
	6	5 113 114	33450.32	1 1404	.72	7 • 1 189	0.0303	0.0	0.0	0.0	2.06F-04	3.40F-03	2.34E-02
	10	9 99 100	35541.77	1 1406		7.1111	0.0303	0.0	0.0	0.0	8.75F-05	1.76E-03	1.40E-02
	8	7 106 107	34428.34			7.1108	0.0303	0.0	0.0	0.0	1.45F-04	2.62F-03	1.93E-02
	5	4 116 117	32815.40			7.1088	0.0303	0.0	0.0	0.0	2.57F-04	3.97E-03	2.62E-02
	4	3 119 120	32203.01		•	7.1005	0.0303	0.0	0.0	0.0	3.01E-04	4.40E-03	2.78F-02
	11	10 95 96	35989.95	1 1408		7.0989	0.0303	0.0	0.0	0.0	7.07E-05	1.48F-03	1.22E-02
	7		33737.59			7.0972	0.0303	0.0	0.0	0.0	1.96F-04	3.326-03	2.33E-0S
,	, 9.	8 102 103	34797.22			7.0938	0.0303	0.0	0.0	0.0	1.26F-04	2.36E-03	1.78E-02
	3		31613.57			7.0936	0.0303	0.0	0.0	0.0	3.28F-04	4.53E-03	2.75E-02
	12		36484.12	1 1410		7.0896	0.0303	0.0	0.0	0.0	5.50F-05	1.21E-03	1.03E-02
	2	1 125 126	31047.46	1 1410		7.0882	0.0303	0.0	0.0	0.0	3 • 13E-04	4.10E-03	2.39E-02
	6	5 112 113	33068.48	1 1411		7.0853	0.0303	0.0	0.0	0.0	2.56E-04	4.07E-03	2.73E-02
	1	0 128 129	30505.08			7.0843	0.0303	0.0	0.0	0.0	2.21E-04	2.74F-03	1.54E-02
	10	9 98 99	35213.38	1 1412		7.0796	. 0.0303	0.0	0.0	0.0	1.05E-04	2.05E-03	1.59F-02
215	8		34073.32			7.07B2	E0E0.0	0.0	0.0	0.0	1.77F-04	3.09E-03	2.22F-02
ອ .	5	4 115 116	32421.43	1 1413		7.0749	0.0303	0.0	0.0	0.0	3.21E-04	4.78E-03	3.07E-02
	11		35676.18	1 1414		7.0681	0.0303	0.0	0.0	0.0	8.42F-05	1.72E-03	1.38E-02
	4.	3 118 119	31796.86	1 1415		7.0661	0.0303	0.0	0.0	0.0	3.80F-04	5.33E-03	3.28F-02
	77	6 108 109	33370.55	1 1415		7.0643	E0E0.0	0.0	0.0	0.0	2.41E-04	3.94E-03	2.70E-02
	9	8 101 102	34456.93	1 1416		7.0620	0.0303	0.0	0.0	0.0	1.53F-04	2.77E-03	2.04E-02
	12		36184.92			7.0595	E0E0.0	0.0	¹O • O	0.0	6.49E-05	1.39E-03	1.15E-02
_	3	2 121 122	31195.18	1 1416		7.0589	E0E0.0	0.0	0.0	0.0	4.16F-04	5.52E-03	3.26E-02
	2		30616.80	1 1417		7.0531	0.0303	0.0	0.0	0.0	4.00F-04	5.02E-03	2.85E-02
	6.		32689.35	1 1418		7.0521	0.0303	0.0	0.0	0.0	3.18F-04	4.86E-03	3.18E-02
	1	0 127 128	30062.09			7.0489	0.0303	0.0	0.0	0.0	2.84E-04	3.38E-03	1.85E-02
	10	9 97 98	34887.79	1 1418		7.0485	0.0303	0.0	0.0		1.26E-04	2.385-03	1.81F-02
	8	7 104 105	33721.07	1 1419		7.0461	0.0303	0.0	0.0	0.0	2.16F-04	3.65E-03	2.56F-02
-	5	4 114 115	32030.15	1420		7.0414	E0E0•0	0.0	0.0	0.0	4.01E-04	5.75E-03	3.60E-02
	11		35365.23			7.0377	0.0303	0.0	0.0	0.0	1.00E-04	1.99E-03	1.56E-02
-		3 117 118	31393.38	1 1422		7.0323	0.0303	0.0	0.0	0.0	4.78E-04	6.45E-03	3.86E-02
	9		33006.25	1 1422		7.0319	0.0303	0.0	0.0	0.0	2.96E-04	4.67E-03	3.13E-05
-	12	8 100 101 11 89 90	34119.43	1 1422		7.0306	0.0303	0.0	0.0	0.0	1.84F-04	3.24E-03	2.34E-02
			35888.57			7.0298	0.0303	0.0	0.0	0.0	7.65F-05	1.59E-03	1.30E-02
	3	2 120 121 12 85 86	30779.46	1 1423		7.0246	0.0303	0.0	0.0	0.0	5-27E-04	6.72E-03	3.855-02
			36457.07			7.0245	0.0303	0.0	0.0	0.0	5.65E-05	1.246-03	1.05E-02
	6	5 110 111 1 123 124	32312.95	1 1424		7.0193	0.0303	0.0	0.0	. 0.0	3.93E-04	5.80F-03	3.70E-02
	_			1 1424		7.0185	0.0303	0.0	0.0	0.0	5.10E-04	6.15F-03	3.39E-02
	10	. 9 96 97 7 103 104	34565.00	1 1424		7.0178	0.0303	0.0	0.0	0.0	1.51F-04	2.77E-03	2.06E-02
	8		33371.58	1 1425		7.0144	0.0303	0.0	0.0	0.0	2.63E-04	4.29E-03	2.94E-02
	-1	0 126 127 4 113 114	29621.73 31641.59	1 1425		7+0139	0.0303	0.0	0.0	0.0	3.65F-04	4.16E-03	2.21E-02
	11	10 92 93	35057.12			7.0083	0.0303	0.0	0.0	0.0	4.99E-04	6.91E-03	4.215-02
	12	11 66 69	35595.07	1 1427		7.0077	0.0303	0.0	0.0	0.0	1.19F-04	2.28E-03	1.76E-02
	7	6 106 107	32644.72				0.0303	0.0	0.0	0.0	9.00E-05	1.82E-03	1.45E-02
	-	6 106 107 6 99 100	33784.73	1 1428		6.9999	0.0303	0.0	0.0	0.0	3.63E-04	5.54E-03	3.61E-02
		3 116 117	30992.61	1 1428		6.9996	0.0303	0.0	0.0	0.0	2.23E-04	3.78E-03	2.67E-02
	13	12 44 85	36178.12	1 1429		6.9988	. 0.0303	0.0	0.0	0.0	6.00E-04	7.80E-03	4.54E-02
	- ";	2 119 120	30366.41	1 1429 1 1430		6.9958 6.9909	0.0303	0.0	0.0	0.0	6.59E-05	1.41E-03	1.17E-02
		7 +40	20220071	1 1730	***	0.7707	.0.0303	0.0	0.0	0.0	6.66E-04	8.16E-03	4.55E-02

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE

VÜ	VL JU J	L LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** APSOR		FFICIENT *	*****
		ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	r = 2000	T = 2500	T = 3000	T = 3500
10	9 95 9	6 34245.04	1	1431.13	6.9875	0.0303	0.0	0.0	0.0	1.80E-04	3.21E-03	2.33E-02
				1431.25	6.9869	0.0303	0.0	0.0	0.0	4 85E-04	6.91E-03	4.30E-02
2				1431.77	6.9844	0.0303	0.0	0.0	0.0	6.50F-04	7.51E-03	4.02E-02
-				1432.03	6.9831	0.0303	0.0		~ő . ő	3.19F-04	5.05=-03	3.38E-02
1				1432.80	6.9793	0.0303	0.0	0.0	0.0	4.685-04	5.12E-03	2.63E-02
				1433.07	6.9780	0.0303	0.0	0.0	0.0	1.41E-04	2.635-03	1.98E-02
				1433.58	6.9755	0.0303	0.0	0.0	0.0	6.21E-04	8.29E-03	4.92F-02
ïž		8 35304,45		1434.44	6.9714	0.0303	0.0	0.0	0.0	1.060-04	2.08E-03	1.63E-02
9											4.41E-03	3.04E-02
	6 105 10			1434.94	6.9689	0.0303	0.0	0.0		2.68F-04	~ ~ ~ ~ ~ ~	
				1435.09	6.9682	0.0303	0.0	0.0	0.0	4.45F-04	6.55E-03	4.17E-02
13				1435.25	6.9674	0.0303	0.0	0.0	0.0	7.67F-05	1.60E-03	1.30E-02
•				1435.60	6.9657	0.0303	0.0	0.0	0.0	7.52F-04	9.41E-03	5.34F-02
10				1437.30	6.9575	0.0303	0.0	0.0	0.0	_ 2.15F-04	3.71F-03	2.64E-02
3	2 118 11			1437.31	6.9574	0.0303	0.0	0.0	0.0	8.41F-04	9.91F-03	5.38E-02
6				1437.83	6.9549	0.0303	0.0	0.0	0.0	5.98E-04	8.23F-03	4.99E-02
8				1438.41	6.9521	0.0303	0.0	0.0	0.0	3.87E-04	5.92F-03	3.87E-02
2				1438.73	6.9506	0.0303	0.0	0.0	0.0	8.26F-04	9.17E-03	4.77E-02
11			_	1439.11	6.9487	0.0303	0.0	0.0	0.0	1.66E-04	3.02F-03	S.S3E-05
1_				1439.84	6.9452	0.0303	0.0	0.0	0.0	5.99E-04	6.29E-03	3.14F-02
5	4 111 11	2 30872.70	1	1440.25	6.9432	0.0303	0.0	0.0	0.0	7.72E-04	9.93E-03	5.74E-02
12		7 35016.70	1	1440.37	6.9427	0.0303	0.0	0.0	0.0	1.24F-04	2.37F-03	1.82E-02
13	12 82 8	3 35628.90	1	1441.05	6.9394	0.0303	0.0	0.0	0.0	8.91E-05	"1.81F-03	1.45E-02
9	8 97 9	8 33123.80	1	1441.20	6.9387	0.0303	0.0	0.0	0.0	3.22F-04	5.14F-03	3.47E-02
7	6 104 10	5 31930.02	1	1441.57	6.9369	0.0303	0.0	0.0	0.0	5.43F-04	7.73E-03	4.81E-02
4	3 114 11	5 30199.23		1442.36	6.9331	0.0303	0.0	0.0	0.0	9.41F-04	1.13E-02	6.265-02
10	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4""33613.67	<u> </u>	1443.45	6.9278	0.0303	0.0	0.0	0.0	2.56F-04	4.29E-03	2.99F-02 '~"
3	2 117 11	8 29548.44	. 1	1444.17	6.9244	0.0303	0.0	0.0	2.41E-05	1.06E-03	1.20E-02	6.34E-02
6	5 107 10	8 31200.33		1444.40	6.9233	0.0303	7.0		0.0	7.37F-04	9.78E-037	5.78E-02
8	7 100 10	1 32339.95	5 1	1444.77	6.9215	0.0303	0.0	0.0	0.0	4.69E-04	6.94E-03	4.44F-02
11	10 89 9			1445.14	6.9197	0.0303	0.0	0.0	0.0	1.96F-04	3.46E-03	2.50E-02
2	1 120 12			1445.67	6.9172	0.0303	0.0	0.0	2.60E-05	1.056-03	1.12E-02	5.65E-02
12		6 34731.85		1446.27	6.9143	0.0303	0.0	0.0	0.0	1745F-04	12.70E=03	2.04E-02
13		2 35358.64		1446.83	6.9117	0.0303	0.0	0.0	0.0	1.07F-04	2.04E-03	1.61E-02
1				1446.87	6.9115	0.0303	70.0	0.0	2.07E-05	7.66F-04	7.71E-03	3.74E-02
5				1446.91	6.9113	0.0303	0.0	0.0	0.0	9.576-04	1.195-02	6.68E-02
9				1447.45	6.9087	0.0303	0.0	0.0	0.0	3.86E-04	5.99F-03	3.94F-02
7				1448.02	6.9060	0.0303	0.0	0.0	0.0	6.635-04	9.12F-03	5.53E-02
4				1449.11	6,9008	0.0303	0.0	0.0	7.57E-05	~ 1.17E-03	1.36F-02	7.33E-02
10				1449.57	6.8986							
				1450.94		0.0303		0.0	0.0	3.05E-04	4-955-03	3.38F-02
3				1450.94	6.8921	0.0303	0.0			9.056-04	1.16E-02	6.69E-02
8					6.8918	0.0303	0.0	0.0	3.21E-05	1.33F-03	1.45E-02	7.47E-02
_				1451.11	6.8913	0.0303	0.0	0.0	0.0	5.66E-04	8.12E-03	5.07E-02
1,1				1451.15	6.8911	0.0303	0.0	0 . 0	0.0	2.32E-04	3.96E-03_	2.81E-02
		5 34449.91		1452.15	6.8863	0.0303	0.0	0.0	0.0	" 1.69E-04	3.07E-03	2.27E-02
13				1452.59	6.8843	0.0303	0.0	0.0	0.0	1.20F-04	2.31E-03	1.78E-02
2				1452.59	6+8843	E0E0.0	0.0	0.0	3.50E-05	1.336-03	1.36E-02	6.63E-02
5				1453.55	6.8797	0.0303	0.0	0.0	2.48E-05	1.185-03	1.42E-02	7.785-02
9				1453.67	6.8791	E0E0.0	0.0	0.0	0.0	4.63E-04	6.94E-03	4.48E-02
1	0 122 12			1453.88	6.8781	0.0303	0.0	0.0	2.81E-05	9.77E-04	9.44E-03	4.45E-02
7				1454.46	6.8754	0.0303	0.0	0.0	0.0	~~8~07F~04	1.07F-02	6.36E-02
10		2 32993.78		1455.68	6.8696	0.0303	0.0	0.0	0.0	3.62E-04	5.71E-03	3.81E-02
4	" " 3" 112 11	3 29416.86	1	1455.84	6.8689	0.0303	0.0	0.0	3.39E-05	1.47F-03	1 64E-02	8.58E-02
						0.0303						

VŪ	٧L	ĴŲ	JL	LOWER	CODE	WAVE	MAVE	HALF	*****	** INTEGRAT	ED ** ABSOR	PTION ** CO	EFFICIENT *	*****
				STATE		NUMBER	LENGTH	WIDTH			CM*GI	M-1		
				ENERGY		CM-1	MICRON	H5	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
8	7	98	99	31666.36	1	1457.43	6.8614	0.0303	0.0	0.0	0.0	6.83E-04	9.49E-03	5.79E-02
6	5	105	106	30472.55	1	1457.47	6.8612	0.0303	0.0	0.0	2.20E-05	1.11E-03	1.37E-02	7.73E-02
3		115	116	28741.41	I	1457.82	6.8596	0.0303	0.0	0.0	4.27E-05	1.68E-03	1.76E-02	8.79E-02
	11	83	84	34170.88	1	1458.01	6.8587	0.0303	0.0	0.0	0.0	1.98E-04	3.49E-03	2.53E-02
	12		80	34826.92		1458.32	6.8572	0.0303	0.0	0.0	0.0	1.38E~04	2.60E-03	1.97E-02
2		118	-	28088.95		1459.50	6.8517	0.0303	0.0	0.0	4.70E-05	1.68E-03	1.65E-02	7.91E-02
9	8	94	95	32153.80		1459.87	6.8499	0.0303	0.0	0.0	0.0	5.53E-04	8 • 05E-03	5.08E-02
5		108		29740.16	1	1460.17	6.8485	0.0303	0.0	0.0	3.23E-05	1.46E-03	1.69E-02	9.04E-02
		101		30879.08	1	1460.87	6.8452	0.0303	0.0	0.0	0.0	9.80F-04	1.26E-02	7.30E-02
1		121		27459.88		1460.87	6.8452	0.0303	0.0	0.0	3.81E-05	1.24E-03	1.15E-02 ·	5.28E-02
10		90	91	32688.18		1461.76	6.8411	0.0303	0.0	0.0	0.0	4.28E-04	6.56E-03	4.30E-02
4		111		29029.84	1	1462.55	6.8374	0.0303	0.0	0.0	4.46F-05	1.82E-03	1.97E-02	1.00E-01
ų,	- 10 7	86	87	33268.76	<u> </u>	1463.09	6.8348	0.0303	0.0	0.0	0.0	3.20F-04	5.18E-03	3.53E-02
8	-	97	98	31333.86	_	1463.74	6.8318	0.0303	0.0	0.0	0.0	8.23E-04	1.116-02	6.61E-02
15.	. 11	104	83	33894,79		1463.85	6.8313	0.0303	0.0	0.0	0.0	2.30E-04	3.96E-03	2.815-02
_		78	79	34565.47	1 1	1463.98	6.8307	0.0303	0.0	0.0	2.84E-05	1.36F-03	1.63E-02	8.93E-02
13		114		28342.04		1464.62	6.8305	0.0303	0.0	_0.0	0.0	1.59F-04	2.92E-03	2.18E-02
9	8	93	94	31836.23	1		6.8277	0.0303	0.0	0.0	5.67E-05	2.10E-03	2.12E-02	1.03F-01
-2		11 7 .		27677.16		1466.06	6.8210	0.0303	0.0	0.0	0.0	6.60E-04	9.31E-03	5.75E-02
5		107		29368.25	i	1466.39 1466.77	6.8195 6.8177	0.0303	0.0	0.0	6.29E-05	2.12E-03	2.01E-02	9.34E-02
· -		100		30534.46	- i :	1467.27	6.8154	0.0303	0.0	0.0	4.20F-05	1.80E-03	2.01E-02	1.05F-01
10	9	89	90	32385.48	•	1467.82	6.8128	0.0303 0.0303	0.0	0.0	2.34E-05	1.19E-03	1.48E-02	8.38F-02
· ~i		120		27035.63	<u>i</u>	1467.85	6.8127	0.0303	0.0	0.0	0.0 5.15E-05	5.06F-04	7.54E-03	4.84F-02
11	10	85	86	32980.87	î	1469.03	6.8072	0.0303	0.0	0.0	0.0	3.75E-04	5.91E-03	6.27E-02
~~ <u>~</u>		110		28645.63		1469.25	6.8062	0.0303		0.0	5.85E-05	2.27F-03	2.36E-02	3.95E-02 1.17E-01
12	11	81	82	33621.65	ï	1469.67	6.8042	0.0303	0.0	0.0	0.0	2.67E-04	4.48E-03	3.13E-02
<u> ī</u> -	12	77	78	34306.98	<u>i</u>	1469.72	6.8040	0.0303		0.0		1.83E-04	3.28E-03	2.40E-02
8	7	96	97	31004.25	1	1470.02	6.8026	0.0303	0.0	0.0	0.0	9.89F-04	1.29E-02	7.53E-02
6		103		29756.08	<u>i</u>	1470.47	6.8005	0.0303	0.0	0.0	3.656-05	1.66E-03	-1.92E-02	1.03E-01
3		113		27945.45	1	1471.41	6.7962	0.0303	0.0	0.0	7.51E-05	2.63F-03	2.56E-02	1.21E-01
9	8	92	"g̃ਤੌ	31521.56	ī	1472.22	6.7925	0.0303	0.0	0.0	0.0	7.86F-04	1.08E-02	6.51E-02
2	1	116	117	27268.14	1	1473.26	6.7877	0.0303	0.0	0.0	8.42E-05	2.68E-03	2.44F-02	1.10E-01
5	4 -	106	107	28999.19		1473.36	6.7872	0.0303	0.0	0.0	5.45F-05	2.22F-03	2.39E-02	1.22E-01
7	6	99	100	30192.72	1	1473.64	6.7859	0.0303	0.0	0.0	2.97E-05	1.44F-03	1.745-02	9.59E-02
10	9	88	89	32085.71		1473.87	6.7849	0.0303	0.0	0.0	0.0	5.98F-04	8.65E-03	5.44E-02
1	0	119	120	26614.14	1	1474.81	6.7805	0.0303	0.0	0.0	6.94E-05	2.01E-03	1.725-02	7.43E-02
ĩi '	10^	84	85	32695.94	1	1474.95	6.7799	E0E0.0	0.0	0.0	0.0	4.39F-04	6.73E-03	4.41F-02
13	12		.77	34051.46	1	1475.39	6.7779	0.0303	0.0	0.0	0.0	2.11E-04	3.68E-03	2.65E-02
12			ัยโ	33351.46	1	1475.46	6.7775	0.0303	0.0	0.0	0.0	3.10E-04	5.06F-03	3.47E-02
4		109		28264.23	1	1475.92	6.7754	0.0303	0.0	0.0	7.66E-05	2.81E-03	2.826-02	1.36E-01
8	7		96	30677.52	1	1476.27	6.7738	0.0303	0.0	0.0	2.28F-05	1.19E-03	1.50F-02	8.56E-02
6_		102		29402-14	1	1476.94	6.7708	0.0303	0.0	0.0	4.69E-05	2.026-03	2.27E-02	1.18E-01
3		112		27551.67		1478.17	6.7651	0.0303	0.0	0.0	9.93F-05	3.29F-03	3.08E-02	1.42E-01
9	8 _	91	92	31209.82	<u> </u>	1478.36	6.7643	0.0303	0.0	0.0	0.0	9.34F-04	1.24F-02 ·	7.35E-02
10	9	87	88	31788.87	1	1479.88	6.7573	0.0303	0.0	0.0	0.0	7.05F-01	9.91E-03	6.11E-02
. 5		105		28632.97		1479.92	6.7571	0.0303	0.0	0.0	7.06E-05	2.73E-03	2.84F-02	1.41E-01
-	-			29853.86	<u>î</u>	1480.00	6.7568	0.0303	0.0	0.0	3.77E-05	1.74F-03	2.03E-02	1.10F-01
2		115		26861.92		1480.11	6.7563	E0E0.0	0.0	0.0	1.12F-04	3.37F-03	2.95E-02	1.30E-01
11	10	83	84	32413.95	1	1480.84	6.7529	0.0303	0.0	0.0	0.0	5-1 2E-04	7.65E-03	4.92E-02
			76	33798.93		1481.03	6.7521	0.0303	0.0	0.0	0.0	2.41F-04	4-12E-03	2.91F-02
12	11		80	33084.24	1	1481.23	6.7511	0.0303	0.0	. 0.0	0.0	3.5AE-04	5.70E-03	3.846-02
. 1 .		118	119	26195.41	1	1481.75	6.7488	.0.0303	0.0	. 0.0	9.35E-05	2.55F-03	5.10E-02	8.80E-05

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MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE

	VÜ	VL	Jü	JL.	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT	ED ** ABSORE	TION ** COI	FFTCTENT *	k*****
	,				STATE		NUMBER	LENGTH	WIDTH			CM*G			
					ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	е	7	94	95	30353.71	1	1482-51	6.7453	0.0303	0.0	0.0	2.87E-05	1.42F-03	1.745-02	9.72E-02
	4	3	108	109	27885.68	1	1482.58	6.7450	0.0303	0.0	0.0	1.00E-04	3.48F-03	3.378-02	1.59E-01
	6	5		102	29051.07	1 1	1483.40	6+7413	0.0303	0.0	0.0	6.00E-05	2.475-03	2.67E-02	1.36E-01
	9	e	90	91	30901.00	1	1484.48	6.7364	0.0303	0.0	0.0	2.07F-05	1.11F-03	1.43E-02	8.30E-02
	3			112	27160.71		1484-92	6.7344	0.0303	0.0	0.0	1.31E-04	4.10F-03	3.70F-02	1.66E-01
	10	9	86	87	31495.00		1485.88	6.7300	0.0303	0.0	0.0	0.0	5.29F-04	1.136-02	6.85E-02
	7	6	97		29517.91		1486.34	6.7279	0.0303	0.0	0.0	4.78F-05	2.10E-03	2.38E-02	1.25E-01
	5	4		105	28269.62	-	1486-47	6.7273	0.0303	0.0	0.0	9.12E-05	3.35F-03	3.36E-02	1.63E-01
	13		74		33549.38		1486.65	6.7265	0.0303	0.0	0.0	0.0	2.76E-04	4.60E-03	3.20E-02
	11	10	82		32134.93		1486.72	6.7262	0.0303	0.0	0.0	0.0	5.97E-04	8.68E-03	5.48E-02
	2	1_		115	26458.50		1486.95	6.7252	0.0303	0.0	0.0	1.50E-04	4.23E-03	3.57E-02	1.53F-01
	12		78		32820.01		1486.98	6.7250	0.0303	0.0	0.0	0.0	4 - 1 4E-04	6.42E-03	4.25F-02
	1			118	25779.47		1488.67	6.7174	0.0303	0.0	0.0	1.26E-04	. 3.83E-03	2.55E-02	1.04E-01
	8	7			30032.83		1488.73	6.7171	0.0303	0.0	0.0	3.59E-05	1.70E-03	2.02F-02	1.10F-01
	4			108	27509.97		1489.22	6.7149	0.0303	0.0	0.0	1.31E-04	4.30E-03	4.01E-02	1.856-01
	6			101	28702.89		1489.83	6.7122	0.0303	0.0	0.0	7.66E-05	3.00E-03	3.14E-02	1.56F-01
	9	8	89		30595.13		1490.58	6.7088	0.0303	0.0	0.0	2.56E-05	1.316-03	1.656-02	9.35F-02 1.94F-01
	3	_	110		26772.58		1491.65	6.7040	0.0303	0.0	0.0	1.72E-04	5.115-03	4.44E-02	
	10	9	<u>es</u>	86.	31204.08		1491.86	6.7030	0.0303	0.0	0.0	0.0	9.74E-04	1.30E-02	7.67F-02
218	13	12	73		33302.84		1492.24	6.7013	0.0303	0.0	0.0	0.0	3.15E-04	\$.17E-03	3.516-02
	11_	10	81	82	31858.89		1492.57	6.6999	0.0303	0.0	0.0	0.0	. 6.95E-04	9.84E-03	- 6.09E-02
	7	6	96	-	29184.87		1492.65	6.6995	0.0303	0.0	0.0	6.036-05	2.53F-03	2.77E-02	1.43E-01
	12	11	77		32558.77		1492.70	6.6993	0.0303	0.0	0.0	0.0	4 • 77E-04	7.22F-03	4.69E-02
	5	4		104	27909.14		1492.99	6.6980	0.0303	0.0	0.0	1.18E-04	4.10E-03		1.88F=01 1.80F=01
	2	- 7		114	26057.89		1493.77	6.6945	0.0303	0.0	0.0	1.99E-04	5.315-03	4.31F-02 2.34E-02	1.256-01
			92	93 117	29714.89		1494.93	6.6893	0.0303	0.0	0.0	4.48F-05 1.69E-04	2.03E-03 4.08F-03	3.10E-02	1.23E-01
	<u>1</u>			107	25366.34 27137.13		1495.58	6.6852	0.0303	0.0	0.0	1.70F-04	5.315-03	4.785-02	2.14E-01
	6	5		100	28357.62		1496.24	6.6834	0.0303	, 0.0	0.0	9.776-05	3.64F-03	3.69E-02	1.79E-01
	<u>-</u>	8	88		30292.22		1496.65	6.6816	0.0303	0.0	0.0	3.16E-05	1.55F-03	1.995-02	1.05E-01
	10	9	84		30916.14		1497.81	6.6764	0.0303	0.0	0.0	2.125-05	1.14F-03	1.48F-02	8.57F-02
	13		72		33059.32		1497.81	6.6764	0.0303	61 6	0.0	0.0	~~3.59F-04	5.715-03	3.84E-72
	3	2		110	26387.31		1498.36	6.6740	0.0303	0.0	0.0	2.26E-04	6.35F-03	5.32F-02	2.27E-01
	12		76		32300.53		1498.40	6.6738	0.0303		0.0	0.0	5.48F-04	8 11F-03	5.17F-02
	11	10	80		31585.85		1498.40	6.6738	0.0303	0.0	0.0	0.0	8.07E-04	1.11F-02	6.77E-02
	7		95		28854.77		1498.95	6.6713	0.0303	0.0	0.0	7.60E-05	3.045-03	3.23E-02	" 1.63F-01
	5	_		103	27551.57		1499.50	6.6689	0.0303	0.0	0.0	1.51E-04	5.01E-03	4.70F-02	2.17F-01
	<u>~</u>	1	_	113	25660.1.		1500.57	6.6641	0.0303	0.0	0.0	2.63E-04	6.65E-03	**************************************	2.11F-01
	8	7	91		29399.89		1501.11	6.6617	0.0303	0.0	0.0	5.58F-05	2.415-03	2.70F-02	1.41E-01
		· · · · ·		106	26767.16		1502.44	6.6558	0.0303	0.0	0.0	2.21E-04	6.54E-03	ร์ เคียย-ได้ชี	7.48E-01
	1			116	24956.02		1502.47	6.6557	0.0303	0.0	0.0	2.26E-04	5.15E-03	3.76E-02	1.455-01
	- 6		98		28015.28		1502.63	6.6550	0.0303	0.0	0.0	1.24E-04	4.408-03	4.31E-02	2.05E-01
	ě	ā	67		29992.29		1502.71	6.6546	0.0303	0.0	0.0	3.89E-05	1.839-03	2.17E-02	1.18E-01
_	13	- <u>12</u>			32818.82		1503.36	6.6518	0.0303	0.0	0.0	0.0	4.09E-04	6.35E-03	4.200-02
	10	9	83		30631.19		1503.74	6.6501	0.0303	0.0	0.0	2.58F-05	1.33E-03	1.685-02	9.575-02
	12		75		32045.30		1504.08	6.6486	0.0303	0.0	0.0	0.0	6.30F-04	9.09F-03	5.70E-02
	11	10	79		31315.80	-	1504.20	6.6481	0.0303	0.0	0.0	0.0	9.35E-04	1.25F-02	7.506-02
_	3	2	:-		26004.9		1505.06	6.6443	E0E0.0	0.0	0.0	2.97E-04	7.585-03	6.37E-02	2.64F-01
	7	6			28527.61		1505.22	6.6435	0.0303	0.0	0.0	9.55E-05	3.65E-03	3.75E-02	1.852-01
•	5	4	101	102	27196.90		1505.99	6.6402	0.0303	0.0	0.0	1.94E-04	E0-381.9	5.54E-02	2.49E-01
	8	7	90	91	29087.87		1507.26	6.6346	0.0303	0.0	0.0	6.93E-05	2.87F-03	3.11F-02	1.60F-01
	2	·- <u>1</u>	111	112	25265.2	2 î	1507.36	6.6341	0.0303	0.0	0.0	3.49F-04	`~8.32F—03´	¯ ^6∙26e¯−0 <i>2</i> ′	2.47F-01
	9	8	86	87	29695,34	4 1	1508.74	6.6280	0.0303	0.0	0.0	4.78E-05	2.16F-03	2.49E-02	1.33E-01

MANA . A	Acres dues balance de services				CARBON MON	OXIDE					***************************************
	u v	STATE	NUN	VE WAVE	H WIDTH	*****	*** INTEGRA	TED ** ABSO	PPTION ** CO	TEFFICIENT *	*****
· · · · · · · · · · · · · · · · · · ·	~~~~	ENERGY	C N	-1 MICRO	N H2	T = 1000	T = 1500		T = 2500	T = 3000	T = 3500
13	3 12 70 7 6 5 97 9			The last the second terminal t	4 0.0303	0.0	0.0	0.0	A CAE 04		
	9 3 104 10				9 0.0303	0.0	0.0	1.58E-04	4.64E-04 5.32F-03	7.05E-03	4.59E-02
1			1509	7 70000 00		0.0	0.0	2.85E-04	8.03E-03	5.05E-02	2.35E-01
10		3 30349.24	1 1509			0.0	0.0	3.01F-04	6.49E-03	6.75E-02 4.56E-02	2.87E-01
12			1 1509			0.0	0.0	3.14E-05	1.56E-03	1-91E-02	1.716-01
11			1 1509			0.0	0.0	0.0	7.21F-04	1:02E-02	1.07E-01
7	2 P) = M2 11 + 4 4 44	4 28203.41	1509	20 4 70 500 CA NO MAR CANADA		0.0	0.0	0.0	1.08E-03	1.425-02	6.27E-02
3						0.0	0.0	1.20E-04	4-37E-03		8.31F-02
5			1 1511	PR 4		0+0	0.0	3.88E-04	9.76E-03	4.36E-02	2.10E-01
8						0.0	70.0	2.49F-04	7.45E-03	7.61E-02	3.08E-01
"' ~ <u>2</u>			1 1513			0.0	0.0	8.59F-05	3.40F-03	6.53F-02 3.59F-02	2.87E-01
13			1 1514			0.0	0.0	4.60E-04	1.04E-02	7.536-02	1.80E-01
- ^			1514			0.0	0.0	0.0	5.26E-04		S-89E-01
န်						0.0	0.0	5.876-05	2.54E-03	7.81E-03 2.84E-02	5.00E-02
Ĩ2.			1 1515			0.0	0.0	1.99E-04	6.42E-03		1.49F-01
10			1 1515			0.0	0.0	0.0	8.25F-04	5.90E-02 1.13E-02	5.68E-01
· · · · · · · · · · · · · · · · · · ·			<u> </u>			0.0	0.0	3.816-05	1.82E-03	_	6.88E-05
11			1 1515			0.0	0.0	3.70F-04	9.86F-03	2.17E-02 7.99E-02	1.195-01
· ^ ^ 5 }			1515			0.0	0.0	2.36E-05	1.25E-03		3.32E-01
7			1 1516			0.0	0.0	4.01E-04	8.16E-03	1.605-02	9.195-02
ġ.			1 1517			0.0	0.0	1.50E-04	5.225-03	5.52E-02	2.01E-01
5						0.0	0.0	5.06E-04	1.21E-02	5.05E-02	2.38E-01
ě			1518.	12 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	0.0303	0.0	0.0	3.18F-04	9+05E-03	9.07F-02	3.57E-01
13					0.0303	0.0	0.0	1.06E-04	4.03E-03	7.67F-02	3-29E-01
·			J		0.0303	0.0	0.0	0.0	5.94F-04	4+13E-02	2.03E-01
ź			1 1520.		0.0303	0.0	0.0	7.18E-05	2.985-03	8-64E-03	5.456-02
12			1 1520.		0.0303	0.0	0.0	6.065-04	1.295-02	3.25E-02	1 - 67年-01
10	9 80 81		1 1520.		COEO O	10.0	0.0	0.0	9.41E-04	9.04E-02	3.385-01
11		_ , , , , , , ,	1 1521.		0.0303	0.0	0+0	4.616-05	2.11E-03	1.26E-05	7454E-02
6	5 95 96		1 1521.		0.0303	0.0	0.0	2.826-05	1.44E-03	2.46F-02	1.326-01
' 4'	3 102 103		1 1521.		0.0303	0.0	0.0	2.525-04	7.73F-03	1.79E-02	1.018-01
1	0 112 113				0.0303	0.0	0.0	4.77E-04	1.215-02	6+88E-05	3.066-01
ā	3 99 100		1 1523.		0.0303	0.0	0.0	5.34E-04	1.02E-02	9-46E-02	3.845-01
7	6 91 92				6.0303	0.0	0.0	2.01F-05	3.83F-04	6.66F-02	2.37E-01
3	2 105 106		1 1523.	****	E0E0.0	0.0	0.0	1.87E-04	6.22E-03	2.48F-03	8.79E-03
13			1 1525.		0.0303	0.0	0.0	6.59E-04	1.49E-02	5.85E-02	2.70E-01
5	12 67 68 4 98 99		1525.	and which any in proper to down contrate with man-	E0E0+0	0.0	0.0	0.0	6.71E-04	1.08E-01	4 - 1 5E-0 I
8	7 87 68		1 1525.		0.0303	0.0	0.0	4.05F-04	1.10F-02	9-54F-03	5.926-02
3	2 102 103		1 1525.		0.0303	0.0	0.0	1.31E-04	4.77E-03	9.01E-02	3.78E-01
12	11 71 72		2 1526.		0.0303	0.0	0.0	2.88F-05	4.86F-04	4.74E-02 2.90E-03	2.285-01
9.	8 83 84		1 1526.		0.0303	0.0	0.0	0.0	1.07F-03	1.41E-02	9.71E-03
11	10 75 76		1 1526.		0.0303	0.0	0.0	8.76E-05	3.49E-03	3.70E-02	8.26E-02
10"	79 80	***	1 1527.	the same of the party of the party of	0.0303	0.0	0.0	3.37F-05	1.65F-03	2.01E-02	1-865-01
ž	1 108 109			_	0.0303	0.0	0.0	5.566-05	2.45E-03	2.78E-02	1.125-01
6	5 94 95		1527.		0.0303	0.0	0.0	7.96E-04	1.61F-02	1.085-01	1.47E-01
4	3 101 102		1 1526.		0.0303	0.0	0.0	3.17E-04	9.296-03	8.01E-02	3.958-01
A	3 98 99		1 1528.		0.0303	0.0	0.0	6-13E-04	1.48E-02	1-12E-01	3.48E-01
	1 105 106		2 1529.		0.0303	0.0	0.0	2.546-05	4.625-04	2.90F-03	4.42E-01
2			2 1529.		0.0303	0.0	0.0	3.61E-05	5.41E-04		t+00E-02
2	````````````````				0.0303	0.0	0.0			2.98E-03	9-43E-03
ī'-	0 111 112				0.0000	0.0	0.0	/ * U 55 th *** (1.4	1.205-0-	0 045 05	
7	6 90 91	27248.71	1 1530.	11 6:5355	. 0.0303	0.0	0.0	7.08F-04	1.285-02	8.04E-02	2.78E-01
ī'-		27248.71 31662.11		11 6:5355. 73 6:5328				2.33E-04 0.0	1.28E-02 7.41E-03 7.55F-04	8.04E-02 6.76E-02 1.05E-02	2.78E-01 3.05E-01 6.43E-02

	VU	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRATI			FFICIENT *	*****
					STATE		NUMBER	LENGTH	WIDTH			CM*G	ے سیسے سے نسے انسان		
			<u></u>		ENERGY		CM-1	MICRON	H5	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	8	7			27869.71		1531.67	6.5288	0.0303	0.0	0.0	1.625-04	5.63E-03	5.44E-02	2.57E-01
	5	4			25807.67		1531.74	6.5285	0.0303	0.0	0.0	5.15E-04	1.33E-02	1.06E-01	4.32E-01
	5_	4			23930.47		1531.82	6.5282	0.0303	0.0	0.0	2.03E-05	3.99E-04	2.64F-03	9.51E-03
	12	11			30814.84		1532.11	6.5269	0.0303	0.0	0.0	2.29E-05	1.22E-03	1.56E-02	9.02E-02
	9	6			28537.65		1532.66	6.5246	0.0303	0.0	0.0	1.07E-04	4'-08E-03	4.21E-02	2.08E-01
	3	2			22511.64		1532.77	6.5241	0.0303	0.0	0.0	3.68E-05	5.91E-04	3.41E-03	1.11E-02
	11	_10			30011.07		1532.88	6.5237	0.0303	0.0	0.0	4.01E-05	1.90E-03	2.25E-02	1.23E-01
		9			29251.72		1533.06	6.5229	0.0303	0.0	0.0	6.69E-05	E0-348.5	3.14E-02	1.63E-01
	6	5			26347.89		1534.29	6.5177	0.0303	0.0	0.0	3.99E-04	1.11E-02	9.32E-02	3.96E-01
		1			23714.48		1534.31	6.5176	0.0303	0.0	0.0	1.04F-03	2.00F-02	1.305-01	4.60E-01
	- 4		100		24961.22		1535.15	6.5140	0.0303	0.0	0.0	7.87E-04	1.80F-02	1.32E-01	5.09E-01
	-				23038.65		1535'-56	6.5123	0.0303	0.0	0 = 0	3.21E-05	5.56E-04	3.38E-03	1.14E-02
_	<u>2</u> 13			105	21673.27		1535.80	6.5113	0.0303	0.0	0.0	4.65E-05	6.62E-04	3.53E-03	1.09E-02
	7	12			31439.99		1536.13	6.5099	0.0303	0.0	0.0	0.0	8.48E-04	1.16E-02	6.97E-02
_	<u>'</u> i				26936.49		1536.28	6.5092	0.0303	0.0	0.0	2.90E-04	8.81E-03	7.79E-02	3.45E-01
	_				22947.38		1536.66	6.5076	0.0303	0.0	0.0	9.37E-04	1.60F-02	9.68E-02	3.26E-01
	<u>12</u>				30577.96		1537.64	6.5035	0.0303	0.0	0.0	2.69E-05	1.386-03	1.736-02	9.85E-02
	5				27572.73		1537.72	6.5031	0.0303	0.0	0.0	1.99E-04	6.63E-03	6.23F-02	2.88E-01
	5	- 4			23612.99		1537.83	6.5027	0.0303	0.0	0.0	2.53E-05	4.76E-04	3.06E-03	1.08E-02
	3				25467.79		1538.13	6.5014	0.0303	0.0	0.0	6.53E-04	1.61E-02	1.24E-01	4.94E-01
_				104	24136.54		1538.24	6.5009	0.0303	0.0	0.0	1.11E-03	2.25E-02	1.53E-01	5.57E-01
	9	10			29759.31		1538.55	6.4996	0.0303	0 + 0	0.0	4.76E-05	2.17E-03	2.52E-02	1.35E-01
					28255.82		1538.58	6.4995	0.0303	0.0	0.0	1.30E-04	4.77E-03	4.79E-02	2.32E-01
	3		100		28984.96		1538.86	6.4983	E0E0.0	0.0	0.0	8.04E-05	3.28E-03	3.53F-02	1.80E-01
	- 5	- 5			22167.28		1538.98	6.4978	0.0303	0.0	0.0	4.69E-05	7.16E-04	4.00E-03	1.28E-02
	6	5			24233.98		1539.58	6 • 4 9 5 3	0.0303	0.0	0.0	0.0	3.80E-04	2.59E-03	9.51E-03
-					26023,39		1540.56	6,4911	0.0303	0.0	0:0	5.00E-04	1.33E-02	1.08E-01	4.50E-01
	13	12			23334.10		1541.00	6.4893	0.0303	0.0	0.0	1.37E-03	2.47E-02	1.55E-01	5+35E-01
_	- 13	3			31220.98		1541.50	6.4872	0.0303	0.0	0.0	0.0	9.51E-04	1.27E-02	7.54E-02
		3		100	24608.89		1541.64	6.4866	0.0303	0.0	0.0	1.01E-03	2.19E-02	1.55E-01	5.86E-01
					22709.22		1541.66	6.4865	E0E0.0	0.0	0.0	4.04E-05	6.68E-04	3.93E-03	1.30F-02
	7	1		104	21316.81		1542,10	6.4847	E0E0.0	0.0	0.0	5-98E-05	8.08E-04	4.16E-03	1.256-02
	12				26627.30		1542.43	6.4833	0.0303	0.0	0.0	3.59E-04	1.05E-02	8.986-05	3.89E-01
		11			30344.16		1543.15	6.4803	0.0303	0.0	0.0	3.15E-05	1.56E-03	1.92E-05	1.07E-01
	- 1	— ,		· 110	22554.35		1543.45	6.4790	0.0303	0.0	0.0	1.24E-03	2.00E-02	1.16E-01	3.82E-01
	5	4			27278.79		1543.74	6.4778	0.0303	0.0	0.0	2.44E-04	7.79E-03	7.13E-02	3.23E-01
_	11	10			23298.45		1543.82	6.4774	0.0303	0.0	0.0	3.15E-05	5.67E-04	3.53E-03	1.22E-02
		- 10			29510.62 27977.05		1544+19	6.4759	0.0303	0.0	0.0	5.64E-05	2.4BE-03	2.81E-02	1.48E-01
		- 4			25130.91		1544.48	6.4747	0.0303	0.0	0.0	1.57E-04	5.55E-03	5.43F-02	2.585-01
	10	9			28721.29		1544.50	6.4746	E0E0.0	0.0	0.0	8.27E-04	1.94E-02	1.44E-01	5.65E-01
				103	23771.70		1544.63	6.4740	0.0303	0.0	0.0	9+63E-05	3.79E-03	3.98E-02	1.99E-01
	ĭ			107	20487.70		1544.82	6.4732	0.0303	0.0	0.0	1.43E-03	2.77E-02	1.81E-01	6.44E-01
				100	21825.82		1544.91	6.4729	0.0303	0.0	0.0	5.62E-05	6.74E-04	3.21E-03	9.12E-03
	6	9			23934.27		1545.17	6.4718	0.0303	0.0	0.0	5.95E-05	8.66E-04	4.69E~03	1.46E-02
		- 6			25701.90		1545.46	6.4706	E0E0.0	0.0	0.0	2.27E-05	4.48E-04	2.97E-03	1.07E~02
	13	12			31005.07		1546.81	6.4649	0.0303	0.0	0.0	6.26E-04	1.59E-02	1.25E-01	5.10E-01
				106	22956.67		1546.85,	6.4648	0.0303	0.0	0.0	0.0	1.06E-03	1.396-02	8.14E-02
	~ ~		95		22950.07		1547.68	6.4613	0.0303	0.0	0.0	1.78E-03	3.06E-02	1.85E-01	6.23E-01
	; -				24259.57		1547.74	6.4610	0.0303	0.0	0.0	5.08E-05	8.00E-04	4.57E-03	1.48E-02
	2			103			1548.10	6.4595	0.0303	0.0	0.0	1 · 29E-03	2-67E-02	1.835-01	6.73E-01
					20963.26		1548.36	6.4584	0.0303	0.0	0.0	7.66E-05	9.85E-04	4.91E-03	1.44E-02
	4.	-		68			1546.56	6.4576	E0E0.0	0.0	0.0	4.45E-04	1.24E-02	1.03E-01	4.39E-01
					30113.47	1	1548,64	6.4573	6.0303	0.0	0.0	3.68E-05	1.77E-03	2.12E-02	1.17E-01

<u> </u>	LOWER CO	DDE WAV		HALF	*****	** INTEGRAT			FFFICIENT *	******
	STATE ENERGY	NUMB CM-		WIDTH_	T = 1000	T = 1500	CM*G		T = 3000	T = 3500
8 10 20000	CHERGY									
8 7 83 64	26987.90	1 1549.	75 6.4527	0.0303	0.0	0.0	2.99E-04	9.15E-03	8.14E-02	3.61E-01
5 4 91 92	22986.86	2 1549.	79 6.4525	0.0303	0.0	0.0	3.91E-05	6.73F-04	4.07F-03	1.37E-02
11 10 71 72	29265.04	1 1549.	61 6.4524	0.0303	0.0	0.0	6.66E-05	2.83E-03	3.13E-02	1.63E-01
1 0 108 109	22164.27	1550.	21 6.4507	0.0303	0.0	0.0	1.63E-03	2.50E-02	1.40E-01	4.46E-01
9 8 79 80	27701.36	1 1550.	36 6.4501	0.0303	0.0	0.0	1.90E-04	6.45F-03	6.15E-02	2.87E-01
10 9 75 76		1 1550.	38 6.4500	0.0303	0.0	0.0	1.15E-04	4.36E-03	4.47E-02	2.20F-01
5 4 94 95				0.0303	0.0	0.0	1.04E-03	2.34E-02	1.68F-01	6.44E-01
1 0 105 106	20121.98	1551.	28 6.4463	0.0303	0.0	0.0	7.27E-05	8.28E-04	3.81E-03	1.06E-02
6 5 87 88		2 1551.		0.0303	0.0	0.0	2.80E-05	5.28F-04	3.40E-03	1.20F-02
3 2 98 99				0.0303	0.0	0.0	7.55E-05	1.05E-03	5.48E-03	1.67E-02
3 2 101 102				0.0303	0.0	0.0	1.85E-03	3.39E-02	2.14E-01	7.44E-01
13 12 62 63	30792.28			0.0303	0.0	0.0	2.24E-05	1-198-03	1.52E-02	8.78E-02
7 6 83 84		2 1552.		0.0303	0.0	0.0	0.0	3.92E-04	2.70E-03	9.98F-03
6 5 90 91	25383.46			0.0303	0.0	0.0	7.82E-04	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1.45E-01	5.77E-01
4 3 94 95		2 1553.		0.0303	0.0	0.0	6.36E-05	9.58F-04	5.30E-03	1.68E-02
12 11 66 67	29885.90			0.0303	0.0	0.0	4.29E-05	1.99F-03	2.34E-02	1.27E-01
2 1 104 105		1 1554.		0.0303	0.0	0.0	2.32E-03	3.77E-02	2.20E-01	7.23E-01
4 3 97 98	23913.24			0.0303	0.0	0.0	1.64E-03	3.24E-02	2.14E-01	7.71E-01
2 1 101 102		2 1554		0.0303	0.0	0.0	9.80E-05	1.20E-03	5.77E-03	1.66E-02
7 6 86 87		The same of the sa		0.0303	0.0	0.0	5.49E-04	1.46E-02	1.19E-01	4.94E-01
11 10 70 71	29022.55			0.0303	0.0	0.0	7.85E-05	3.22F-03	3.49E-02	1.786-01
8 7 82 83				0.0303	0.0	0.0	3.64E-04	1.07E-02	9.27E-02	4.04E-01
5 4 90 91		2 1555.		0.0303	0.0	0.0	4 85E-05	7.98E-04	4.69F-03	1.55E-02
10 9 74 75				0.0303	0.0	0.0	1.37F-04	5.01E-03	5.01E-02	2.42E-01
	27428.76			0.0303	0.0	0.0	2.29E-04	7.49E-03	6.95F-02	. 3.18E-01
9 8 78 79 1 0 107 108			Commence of the Park of the West Will	0.0303	0.0	0.0	" 2.14E-03"	3.10E-02	1.68E-01	5.21E-01
6 5 86 87	10 10 10 10 10 10 10 10 10 10 10 10 10 1	2 1557.		0.0303	0.0	0.0	3.43E-05	6.21F-04	3.89E-03	1.34F-02
5 4 93 94			* **	0.0303	0.0	-0.0	1 32E-03	2.816-02	1.96E-01	7.33E-01
		1 1557.		0.0303	0.0	0.0	2.58E-05	1.32F-03	1.66E-02	9.46E-02
13 12 61 62 3 2 97 98		2 1557.		0.0303	0.0	0.0	9.54E-05	1.26E-03	6.40F-03	1.90E-02
				0.0303	0.0	0.0	9.38E-05	1.01E-03	4.51F-03	1.22E-02
			The same of a disconnection of	0.0303	0.0	0.0	2.38E-03	4.14E-02	2.53F-01	8.58E-01
	D D 1755			0.0303	0.0	0.0	2.27E-05	4.56F-04	3.06E-03	1.11E-02
7 6 82 83 6 5 89 90		2 1558. 1 1559.		0.0303	0.0	- 0.0	9.73F-04	2.26E-02	1.68F-01	6.53E-01
				0.0303	0.0	0.0	4 98E-05	2.24E-03	2.58F-02	1.38E-01
12 11 65 66 4 3 93 94		1 1559. 2 1559.		0.0303	0.0	0.0	7.96E-05	1.14E-03	6.14E-03	1.90E-02
그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그				0.0303	0.0	0.0	6.77E-04	1.73E-02	1.36E-01	5.55E-01
7 6 85 86 2 1 100 101		1 1560. 2 1560.		0.0303	- 0.0	0.0	1.25F-04	1.45E-03	6.78E-03	1.90E-02
					0.0	2.50E-05	3.02E-03	4.65E-02	2.62E-01	8.38E-01
2 1 103 104	22210.73			0.0303	0.0	0.0	9.22E-05	3.66E-03	3.87E-02	1.94E-01
11 10 69 70		1 1560.				0.0	2.09E-03	3.92F-02	2.515-01	8.83E-01
4 3 96 97		1 1560.		0.0303	0.0	0.0	6.00E-05	9.455-04	5.396-03	1.74E-02
5 4 89 90				0.0303			4.44E-04	1.25E-02	1.065-01	4.51E-01
8 7 81 82		1 1561.	and the second service and the second se	0.0303	0.0	0.0	1.63E-04	5.75E-03	5.61E-02	2.66E-01
10 9 73 74		1 1561.		0.0303	0.0	0.0	2.76E-04	8.67F-03	7.84E-02	3.53E-01
9 8 77 78		1 1562.		0.0303	0.0		2.75E-04	1.47E-03	1.81E-02	1.02E-01
13 12 60 61		1 1562.		0.0303	0.0	0.0		7.28E-04	4.44E-03	1.50E-02
6 5 85 86		2 1562.		0.0303	0.0		4.19E-05		2.28E-01	8.33E-01
5 4 92 93		1 1563.		0.0303	0.0	0.0	1.65F-03	3.37F-02		
3 2 96 97		2 1563.		0.0303	0.0	0.0	1.20E-04	1.52F-03	7.46E-03	2.17E-02
1 0 106 107		1 1563.		.,0.0303	.0.0.	2.84F-05	2.81E-03	3.85F-02	2.01E-01	6.08E-01
7 6 81 82		2 1563.		0.0303	0.0	0.0	2.75E-05	5.31E-04	3.47E-03	1.24F-02
		2 1563.		0.0303	0.0	0.0	1.21F-04	1.24E-03	5.33E-03	1.41E-02
3 2 99 100	22695.13	1 1564.	44 6.3921	0.0303	0.0	2.26E-05	3.06E-03	5.06E-02	2.98F-01	9.88E-01

MOLECULAR LINE PARAMETERS FOR DIATONIC MOLECULES

			•		··.			"_ CA	REON MONDX	EDE "'	•	1		•	
	VU	AF	JÜ	JL .	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	*** INTEGRATI	ED ** ABSOR		EFFICIENT *	*****
				·	ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	12	11	64	65	29440-12	1	1564.94	6.3900	0.0303	0.0	0.0	5.77E-05	2.52E-03	2.83E-02	1.49E-01
	6	5	88	89	24755.73		1565.43	6.3880	0.0303	0.0	0.0	1.21E-03	2.69E-02	1.93E-01	7.38E-01
	. 4	3	92	93	21420.99		1565.87	6.3862	0.0303	0.0	0.0	9.93E-05	1.36E-03	7.11E-03	2.15E-02
	11		. 68	69	28546.96		1566.52	6.3836	0.0303	0.0	0.0	1.08E-04	4.15E-03	4.29E-02	2.12E-01
		6	84	85	25421.09		1566-81	6.3824	0.0303	<u>, 0•</u> ô	0.0	8.32E-04	2.04E-02	1-56E-01	6.22E-01
	2	1		100	19920.19		1567.12	6.3811	E0E0.0	0+0	0.0	1.59E-04	1.76E-03	7.96E-03	2.10E-02
	- 4	3	95	96	23229.68		1567-37	6.3801	E0E0.0	0.0	0.0	2.65E-03	4.74E-02	2.94E-01	1.01E 00
	10 5	9	72	73	27697.55		1567.48	6.3797	E0E0.0	0.0	0.0	1.94E-04	6.586-03	6.27E-02	2.92E-01
	2		102	89	22069.95		1567.58	6.3793	0.0303	0.0	0.0	7.40E~05	1.12E-03	6.19E-03	1.96E-02
	8	7	80	81	21842.26 26133.74		1567.58	6.3793	0.0303	0.0	3.54E-05	3.91E-03	5.72E-02	3.11E-01	9.70E-01
	- 9	8	76	77	26892.85		1567.62	6.3791	0.0303	0.0	0.0	5.39E-04	1.46E-02	1.20E-01	5.02E-01
	13	12	59	60	30172.71	1	1567.85	6.3782	E0E0.0	0.0	0.0	3.31E-04	1.00F-02	8.84E-02	3.90E-01
	- 10	5	84	85	22765.26		1567.99 1568.75	6.3776	0.0303	0.0	0.0	3.37E-05	1.63E-03	1.97E-02	1.09E-01
	7	6	80	81	23506.16		1569,39	6.3745	0.0303	0.0	0.0	5 • 1 2E-05	8.53E-04	5.06E-03	1.68E-02
	3	2	95	96	20489.43		1569.75	6.3719	0.0303	0.0	0.0	3.32E-05	6.16E-04	3.92E-03	1.37E-02
	5	4	91	92	23813.70		1569.76		0.0303	0.0	0.0	1.52E-04	1.82E-03	8.69E-03	2.47E-02
	1		102		19042.35		1570.28	6.3704	0.0303	0.0	0.0	2.07E-03	4.03E-02	2.65E-01	9.46E-01
	12	11	63	64	29221.95		1570.33	6.3681	0.0303	0.0	0.0	1.556-04	1.525-03	6.29E-03	1.62F-02
N			105		21011.81		1570.40	6.3678	0.0303	0.0	0.0	6.67E-05	2.82E-03	3.11F-02	1.61E-01
222	3	ž	98	99	22342.30		1570.94	6.3656	E0E0.0	0.0	4.07E-05	3.68E-03	4.78E-02	2.40E-01	7.07E-01
	6		87	88	24446.47		1571.59	6.3630	0.0303	0.0	3.15E-05	3.92F-03	6.16E-02	3.51E-01	1.14E 00
	4	3	91	92	21106.37		1571.87	6.3618		0.0	0.0	1.50E-03	3.19E-Q2	2.23E-01	8.32E-01
	11	10	67	68	28313.86		1572.04	6.3612	0.0303	0.0	0.0	1.24E-04	1.62E-03	8.21E-03	2.43E-02
	7	6	83	84	25127.25		1572.85	6.3579	0.0303	0.0	0.0	1.26E-04	4.69E-03	4.75E-02	2.31E-01
	10	9	71	72	27449.42		1573.14	6.3567	0.0303	0.0	0.0	1.02E-03 2.29E-04	2.39E-02		6+97E-01
	13	12	58	59	29972.48		1573.21	6.3564	0.0303	0.0	0.0		7.51E-03	6.99E-02	3.21E-01
	2	1	98	99	19578.40	2	1573.32	6.3560	0.0303	0.0	0.0	3.84E-05 2.02E-04	1.81E-03 2.13E-03	2.15E-02	1.17E-01
	5	4	87	88	21770.31	2	1573.47	6.3554	0.0303	0.0	0.0	9.12E-05		9.32E-03	2.49E-02
	6	7	79	80	25855.22		1573.53	6.3551	0.0303	0.0	0.0	6.53E-04	1.32E-03	7-10E-03	2.21E-02
	9	8	75	76	26629.57		1573.63	6.3547	EOEO.O	0.0	0.0	3.96E-04	1.70E-02 1.16E-02	1.36E-01	5.59E-01
	4	3	94	95	22892.46		1573.76	6.3542	E0E0.0	0.0	2.37E-05	3.36E-03	5.71E-02	9.94E-02 3.43E-01	4.31E-01
	2	1	101	102	21476.80		1574.17	6.3526	0.0303	0.0	5.00E-05	5.05E-03	7.02F-02	3.68F-01	1.15E 00 1.12E 00
	6	5	83	84	22480.53	2	1574.52	6.3511	0.0303	0.0	0.0	6.23F-05	9.98E-04	5.76E-03	1.88E-02
	7	6	79	80	23236.26	2	1575.04	6.3490	0.0303	0.0	0.0	4.00E-05	7.13E-04	4.43E-03	1.52E-02
	12	11	62	63	29006.93	1	1575.68	6.3465	E0E0.0	0.0	0.0	7.69E-05	3.15E-03	3.41E-02	1.74F-01
	3	2	94	95	20162.75	2	1575.85	6.3458	0.0303	0.0	0.0	1.90E-04	2.18E-03	1.01E-02	2.81E-02
	5	4	90	91	23492.04	1	1576.02	6.3451	0.0303	0.0	0.0	2.60E-03	4.82E-02	3.07E-01	1.07E 00
	1		101		18688.36		1576.58	6.3428	0.0303	0.0	0.0	1.99E-04	1.85E-03	7.41E-03	1.86E-02
	1		104		20633.65		1577.09	6.3408	0.0303	0.0	5.82E-05	4.80E-03	5.91E-02	2.86E-01	8.23E-01
	3	2	97	98	21992.52		1577.42	6.3395	0.0303	0.0	4.38E-05	5.01E-03	7.49E-02	4.13E-01	1.30E 00
	11	10	66	67	20083.91	1	1577.53	6.3390	0.0303	0.0	0.0	1.4BE-04	5.30E-03	5.24E-02	2.51E-01
	6	5	86	87	24140.31	1	1577.73	6.3382	0.0303	0.0	0.0	1.86E-03	3.78E-02	2.56E-01	9.38E-01
	4	E	90	91	20794.75		1577.86	6.3377	0.0303	0.0	0.0	1.53E-04	1.936-03	9.46E-03	2.75F-02
	13	12	57	58	29775.43		1578.41	6.3355	0.0303	0.0	0.0	4.37E-05	2.00E-03	2.33E-02	1.25E-01
	10	9	70	71	27204.43		1578.77	6.3340	0.0303	0.0	0.0	2.70E-04	8.56F-03	7.79E-02	3.51E-01
	7	6	82	83	24836.50		1578.87	6.3336	0.0303	0.0	0.0	1.25E-03	2.81F-02	2.03E-01	7.80E-01
	5	4	86	87	21473.68		1579.33	6.3318	0.0303	0.0	0.0	1.12F-04	1.55F-03	8.13E-03	2.47E-02
	9	8	74	75	26369.43		1579.39	6.3316	0.0303	0.0	0.0	4.73E-04	1.336-02	1.12E-01	4.75E-01
	8	7	78	79	25579.82		1579.42	6.3314	E0E0.0	0.0	0.0	7.89E-04	1.98E-02	1.54E-01	6.21F-01
	2	1 .	97	98	19239.58		1579.51	6.3311	0.0303	0.0	0.0	2.57E-04	2.58E-03	1.095-02	2.85E-02
	4	3	93	94	22558.31		1580.12	6.3286	0.0303	0.0	3.24E-05	4.24E-03	6.88F-02	4.01E-01	1.31E 00
	6	5	82	83	22198.82	2	1580.27	6.3280	E0E0.0	0.0	0.0	7.57E-05	1-16E-03	6.54E-03	2.09E-02

								•	ROUN MUNUX						
	νú	VL	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT	ED ** ABSOR	PTION ** CO	FFFICIENT *	****
					STATE		NUMBER	LENGTH	WIDTH			CM*G			
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
									· · ·					,	
	7	6	78	79	22969.40	2	1580.67	6.3264	0.0303	0.0	0.0	4.80F-05	8.25F-04	4.99E-03	1.68E-02
	2	1	100	101	21114.38	1	1580.75	6.3261	0.0303	0.0	7.04E-05	6.52E-03	8.605-02	4.36F-01	1.30E 00
	12	11		62	28795.07		1581.02	6.3250	0.0303	0.0	0.0	8.84E-05	3.52F-03	3.73F-02	1.87E-01
•	3	2		94	19839.07		1581.93	6.3214	0.0303	0.0	0.0	2.395-04	2.61E-03 5.74E-02	1.17F-02 3.55E-01	.3.19E-02 1.21E 00
	5	4	89	90	23173.46		1582.26	6.3201	0.0303	0.0	2.13E-05	3.24F-03 2.55E-04	2.25E-03	8.72E-03	2.14E-02
	1	_	100		18337.33		1582.86	6.3177	0.0303 E0E0.0	0.0	0.0	1.72E-04	5.97E-03	5.78E-02	2.73F-01
	<u>11</u>	10	- 65 56	66 57	27857.12 29581.54		1583.00 1583.58,	6.3171 6.3148	0.0303	0.0	0.0	4.95E-05	2.21E-03	77.52E-02 "	" 1.34E-01
	13	0			20258.50		1583.76	6.3141	0.0303	0.0	8.29E~05	6.26E-03	7.295-02	3.41E-01	9.55E-01
		_	89	90	20486.14		1583.82	6.3138	0.0303	0.0	0.0	1.90E-04	2.28F-03	1.09E-02	3.10E-02
	6	5	85	86	23837.25		1583.85	6.3137	0.0303	0.0	0.0	2.29E-03	4.475-02	2.95E-01	1.06E 00
	3	2	96	97	21645.80		1583.88	6.3136	0.0303	0.0	6.06E-05	6.38F-03	9.09F-02	4.85E-01	1.49F 00
	10	9	69	70	26962.59		1584.37	6.3117	0.0303	0.0	0.0	3.18F-04	9.74E-03	8.656-02	3.84E-01
	7		81	82	24548.88		1584.86	6.3097	E0E0.0	0.0	0.0	1.52E-03	3.29E-02	2.32E-01	8.72E-01
	9	8	73	74	26112.42		1585.13	6.3086	0.0303	0.0	0.0	5.64E-04	1.53E-02	1.25E-01	5.24E-01
	5		85	86	21180.08	2	1585.18	6.3084	0.0303	0.0	0.0	1.37E-04	1.82F-03	9.29F-03	2.77F-02
	8	7	77	78	25307.56	1	1585.29	6.3080	E0E0.0	0.0	0.0	9.51E-04	2.29F-02	1.74E-01	6-89F-01
	2	1	96	97	18903.75		1585.68	6.3064	0.0303	0.0	0.0	3.24F-04	3.11E-03	1.27E-02	3.25E-02
	6	5	81	82	21920.16		1586.00	6.3052	0.0303	0.0	0.0	9-17E-05	1.36E-03	7.41E-03	2.335-02
223	7	6	77	78	22705.59		1586.28	6.3041	0.0303	0.0	0.0	5.75E-05	9.515-04	5.615-03	1.86F-02
<u>~~</u>	12	11		61	28586.38		1586.33	6.3039	0.0303	0.0	0.0	1.01E-04 5.34E-03	3.92E-03 8.27E-02	4.07F-02 4.66E-01	2.02E-01 1.50E 00
	4	3	92	93	22227.24		1586.46	6.3033	0.0303	0.0	4.41E-05 9.87E-05	8.39E-03	1.05F-01	5.15F-01	1.49E 00
	<u>2</u> 3	1	99	100	20755-00		1587.31	6.3000	0.0303	0.0	0.0	2.98E-04	3.125-03	1.36F-02	3.61F-02
	11	10	92 64	93 65	19518.39 27633.50		1587.98 1588.45	6.2954	0.0303	0.0	0.0	1.99E-04	6.71E-03	6.36F-02	2.96F-01
	- 11	- 4	88	89	22857.99		1588.48	6.2953	0.0303	0.0	2.87E-05	4.04E-03	6.84E-02	4.10E-01	1.37E 00
	13	12		. 56	29390.83		1588.72	6.2944	0.0303	0.0	0.0	5.60E-05	2.43F-03	2.72F-02	1.43E-01
	1		99		17989.28		1589.12	6.2928	0.0303	0+0	0.0	3.25E-04	2.73E-03	1.02E-02	2.46F-02
	4	3	88	89	20180.55		1589.76	6.2903	0.0303	0.0	0.0	2.35E-04	2.71E-03	1.25E-02	3.49E-02
	6	5	84	85	23537.30		1589.95	6.2895	0.0303	0.0	0.0	2.82E-03	5.28E-02	3.386-01	1.19F 00
	10	9	68	69	26723.91	1	1589.95	6.2895	0.0303	0.0	0.0	3.74E-04	1.11E-02	9.60E-02	4.19E-01
	3	2	95	96	21302.14	1	1590.32	6.2880	0.0303	0.0	8.37E-05	8 • 1 2F-03	1.10E-01	5.68F-01	1.71F 00
	1	0	102	103	19886.39	1	1590.41	6.2877	0.0303	0.0	1.18E-04	8.13E-03	8.99E-02	4.05E-01	1.11E 00
	7	6	80	81	24264.39		1590.83	6.2860	0.0303	0.0	0.0	1.85F-03	3.84F-02	2 · 64E-01	9.72F-01
	9	8	72	73	25858-57		1590.84	6.2860	0.0303	0.0	0.0	6.70E-04	1.75F-02	1.40E-01	5.76E-01
,	5	4	84	85	20889.52		1591.01	6.2853	0.0303	0.0	0.0	1.68E-04	2.14E-03	1.06F-02	3.10E-02
		7	76	77	25038.44		1591.13	6.2848	0.0303	0.0	0.0	1.14F-03	2.65E-02 4.35F-03	1.96F-01 4.43F-02	7.63F-01 2.17F-01
	12	11	59	60	28380.87		1591.61	6.2829	0.0303	0.0	0.0	1.16E-04 1.11E-04	1.58E-03	8.39E-03	2.1/F-01 2.59E-02
	6_	5	80 95	81 96	21644.55 18570.92		1591.71	6.2826	0.0303	0.0	0.0	4.09E-04	3.74F-03	1.48E-02	3.70E-02
	7	1 6			22444.85		1591.83	6.2819	0.0303	0.0	0.0	6.87E-05	1.10E-03	6.30E-03	2.05E-02
٠	- 4	3	91	92	21899.26		1592.78	6.2783	0.0303	0.0	6.00E-05	6.71E-03	9.91E-02	5.42E-01	1.70E 00
	13	12		55	29203.32		1593.83	6.2742	0.0303	0.0	0.0	6.32E~05	2.67F-03	2.94E-02	1.52F-01
7	2		98		.20398.68		1593.84	6.2742	0.0303	0.0	1.38E-04	1.08E-02	1.28E-01	6.07E-01	1.72E 00
	11	10		64	27413.06		1593.87	6.2740	0.0303	0.0	0.0	2.31E-04	7.53F-03	6.99F-02	3.20F-01
•	3			92	19200.73		1594.02	6.2734	0.0303	0.0	0+0	3.72E-04	3.72E-03	1.57E-02	4.09E-02
_	5	4	87	88	22545.62		1594.68	6.2709	0.0303	0.0	3-84E-05	5.02E-03	8.13E-02	4.73E-01	1.55E 00
•	1	0	98	99	17644.22	2	1595.36	6.2682	0.0303	0.0	0.0	4.14E-04	3.31F-03	1.20E-02	2.8SE-05
	10	9	67	68	26486.41		1595.51	6.2676	0.0303	0.0	0.0	4.38E-04	1.25F-02	1.06E-01	4.57E-01
, ,	4	3		88	19878.00		1595.68	6.2669	0.0303	0.0	0.0	2.90E-04	3.20E-03	1.446-02	3.93E-02
a <u> </u>	6	5		84	23240.48		1596.02	6.2656	0.0303	0.0	2.25E-05	3.47E-03	6.21E-02	3.87E-01	1.33E 00
	9	8		72	25607.89		1596.53	6.2636	0.0303	0.0	0.0	7.95E-04	2.00F-02	1.56E-01	6.32E-01 1.96F 00
	3	2	94	95	20961.57	1	1596.74	6.2628	0.0303	0.0	1.15E-04	1.03E-02	1.33E-01	6.65E-01	1.906.00
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MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

								RBON MONOXI	- <u>-</u>					
VU	VL	. JU	JĹ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSOP		EFFICIENT *	*****
		· · · · ·		ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7			80	23983.04	1	1596.78	6.2626	0.0303	0.0	0.0	2.25E-03	4.48F-02	2.99E-01	1.08E 00
5			84	20602.01		1596.81	6.2625	0.0303	0.0	0.0	2.05E-04	2.51E-03	1.21E-02	3.47E-02
12			59	28178.56		1596.87	6.2623	0.0303	0.0	0.0	1.32E-04	4.82E-03	4.82E-02	2.33E-01
8		75	76	24772.47		1596.95	6.2619	0.0303	0.0	0.0	1.37E-03	3.06E-02	2.21E-01	8-44E-01
1		101	102	19517.34		1597.04	6.2616	0.0303	0.0	1.67E-04	1.05E-02	1 . 1 1E-01	4.81E-01	1.28E 00
6 7			80	21372.00		1597.40	6.2602	0.0303	0.0	0.0	1.34E-04	1.835-03	9.49E-03	2.87E-02
			76	22187.18		1597.43	6.2601	0.0303.	0.0	0.0	8.19E-05	1.26E-03	7.07E-03	2.26E-02
			95	18241-11		1597.96	6.2580	0.0303	0.0	0.0	5-15E-04	4.49E-03	1.73E-02	4.21E-02
1.3	12		54 91	29019.00		1598.92	6.2542	0.0303	0.0	0.0	7.10E-05	2.92E-03	3.17E-02	1.62E-01
11				21574.38		1599.08	6.2536	0.0303	0.0	8.12E-05	8.42F-03	1 • 1 9E-01	6.29E-01	1.93E 00
			63 91	27195.80 18886.10		1599.26	6.2529	0.0303	0.0	0.0	2.66E-04	8.43E-03,	7.66E-02	3.46E-01
2			98	20045.44		1600.04	6.2498	0.0303	0.0	0.0	4.635-04	4.435-03	1.81E-02	4.62E-02
········	٠,٠,٠,٠		87	22236.39		1600.36	6.2486	0.0303	0.0	1.92E-04	1.38E-02	1.56E-01	7-15E-01	1.98E 00
10			67	26256.09		1600.86	6.2466	0.0303	0.0	5.12E-05	6.23E-03	9.65E-02	5.45E-01	1.75E 00
<u> </u>			98	17302.17		1601.04	6.2459	0.0303	, 0.0	0.0	5-12E-04	1.42E-02	1.18E-01	4.98E-01
4	3		87	19578.50		1601.59	6.2438 6.2438	0.0303	0.0	0.0	5.26E-04	4.01E-03	1.41E-02	3.22E-02
6			83			1602.07		0.0303	0.0	0.0	3.57E-04	3.77E-03	1.65E-02	4 • 4 1 E-02
			58	27979.44		1602.10	6.2419 6.2418	0.0303	0.0	2.95E-05	4.25E-03	7.30E-02	4.42E-01	1.49E.00
12	, ing		71	25360.39		1602.20		0.0303	0.0	0.0	1.51E-04	5.34E-03	5.23E-02	2.49E-01
5			83	20317.56		1602.50	6.2414	0.0303	0.0	0.0	9.40E-04	2.28E-02	1.74E-01	6.93E-01
ž			79	23704.85		1602.71	6.2399	0.0303	0.0	0.0	2.49E-04	2.93E-03	1.37E-02	3.87E-02
8			75	24509.67		1602.75	6.2393	0.0303	0.0	0.0	2.72E-03	5.21E-02	3.39E-01	1.20E 00
7			75	21932.59		1602.97	6.2384	0.0303	0.0	0.0	1.64E-03	3.53E-02	2.48E-01	9.32E-01
	9	78	79	21102.53		1603.06	6.2381	0.0303	0.0	0.0	9.74E-05	1.44E-03	7491E-03	2.49E-02
~~~~ <del>3</del>	~ ~ Z	93	94	20624.10		1603.13	6.2378	0.0303	0.0	0.0	1.61E-04	2.12E-03	1.07E-02	3.18E-02
1		100		19151.35		1603.65	6.2358	0.0303	0.0	1.58E-04 2.35E-04	1-30E-02	1.60E-01	7.77E-01	5.53E 00
	12		53	28837.89		1603.98	6.2345	0.0303	0.0	0.0	7.97F-05	1.36E-01	5.70E-01	1.48E 00
2			94	17914.32		1604.07	6.2341	0.0303	0.0	0.0		3.20E-03	3.40E-02	1.72E-01
Tī	10		62			1604.63	6.2320	0.0303	0.0	0.0	6.47E-04	5.38E-03	2.00E-02	4.78E-02
4			90	21252.63		1605.36	6.2291	0.0303	0.0	1.10F-04	1.05E-02	9.41E-03	8.39E-02	3.73E-01
3	3 2	89	90	18574.52		1606.03	6.2265	0.0303	0.0	0.0	5.75E-04	1.42E-01 5.26E-03	7.29E-01	2.19E 00
10			66	26026.96		1606.54	6.2246	0.0303	0.0	0.0	5.97E-04	1.60E-02	2.09E-02 1.30E-01	5.21E-02
2			97	19695.29		1606.85	6.2234	0.0303	0.0	2.67E-04	1.76E-02	1.90E-01		5.41E-01
5	4	85	86	21930.29		1607.02	6.2227	0.0303	0.0	6.82E-05	7.70E-02	1.146-01	8.41E-01 6.27E-01	2.27E 00
12	ii		57	27783.53		1607.30	6.2216	0.0303	0.0	0.0	1.71E-04	5.90E-03	5.67E-02	1.97E 00 2.66E-01
4	3	85	86	19282.05		1607.47	6.2210	0.0303	0.0	0.0	4.39E-04	4.44E-03	1.895-02	4.95E-02
1	" d	96	97	16963.14		1607.79	6.2197	0.0303	0.0	0.0	6.67E-04	4.84E-03	1.65E-02	3.68E-02
9			70	25116.07		1607.84	6.2195	E0E0.0	0.0	0.0	1.11E-03	2.60F-02	1.94E-01	7.59E-01
- 6		81	82	22656.29		1608.10	6.2185	0.0303	0.0	3.87E-05	5.20E~03	8.56E-02	5.04E-01	1.67E 00
5			82	20036.19	2	1608.36	6.2175	E0E0.0	0.0	0.0	3.03E-04	3.41E-03	1.56E-02	4.31E-02
7	6		74	21681.10	2	1608.49	6.2170	E0E0.0	0.0	0.0	1.16E-04	1.65F-03	8 - 84E-03	2.73E-02
8	7		74	24250.05		1608.52	6.2169	0.0303	0.0	0.0	1.96E-03	4.06E-02	2.78E-01	1.03E 00
7	Ğ		78	23429.83		1608.61	6.2165	0.0303	0.0	2.03E-05	3.29E-03	5.05E-02	3.84E-01	1.34E' 00
6			78	20836.14		1608.70	6.2162	0.0303	0.0	0.0	1.93E-04	2.44E-03	1.21E-02	3.52E-02
13			52	28659.99		1609.02	6.2150	0.0303	0.0	0.0	8.928-05	3.49E-03	3.65E-02	1.82E-01
3	. 2		93	20289.75	1	1609.51	6.2131	0.0303	0.0	2.16E-04	1.65E-02	1.93E-01	9.06E-01	2.55E 00
11			61			1609.98	6.2113	0.0303	0.0	0.0	3.52E-04	1.05E-02	9-16E-02	4.02E-01
2	1		93	17590.57		1610.16	6.2106	0.0303	0.0	2.04E-05	8-11E-04	6.43E-03	2.33E-02	5.43E-02
1	~~~0		100	18788.44	i	1610.24	6.2103	0.0303	0.0	3.31E-04	1.76E-02	1.668-01	6.75E-01	1.71E-00
4	3		89	20934.01	1	1611.61	6.2050	0.0303	0.0	1.485-04	1.325-02	1.69E-01	8.44E-01	2.48E 00
"Т"З	Ž		89	18265.99		1612.01	6.2034	0.0303	0.0	0.0	7.13E-04	6+23E-03	2.40E-02	5.88E-02
10	9	64	65	25801.04	1	1612.03	6.2034	0.0303	0.0	0.0	6.94E-04	1.80E-02	1.43E-01	5.87E-01

••	٧L	""JÙ""	JL	LOWER	CODE	WAVE	WAVE	HALF	*****	* INTEGRAT	ED ** ABSOR! CM*G!		EFFICIENT *	*****
	<del></del> -	·		STATE ENERGY		NUMBER CM-1	MICRON	WIDTH H2	T = 1000	T = 1500	T = 2000		T = 3000	T = 3500
12	11	55	56	27590.84	1	1612.48	6.2016	0.0303	0.0	0.0	1.94E-04	6.50E-03	6.14E-02	2.85E-01
5		84	85	21627.34	1	1613.15	6.1991	0.0303	0.0	9.05F-05	9.50E-03	1.35E-01	7.20E-01	2.22E 00
4	3_	84	85	18988+68	2	1613.33	6.1984	0.0303	0.0	0.0	5.38E-04	5.22E-03	2.16E-02	5.54E-02
2	1	95	96	19348.24		1613.33	6.1984	E0E0.0	0.0	3.70F-04	2.25E-02	2.30E-01	9.87E-01	S.60E 00
	8 	68 95	69	24874.95		1613.45	6.1979	0.0303	0.0	0.0 2.67E-05	1.30E-03	2.96E-02	2.15E-01	8.29E-01
7	6	72	96 73	16627.14 21432.71	2	1613.97 1613.99	6.1959 6.1958	0.0303 0.0303	0.0	2.0/6-02	8-44E-04 1-37E-04	5.83E-03 1.89E-03	1.92E-02 9.86E-03	4.20E-02 3.00E-02
'iś-	~íž	- 50 -	51	28485.31	1	1614.03	6.1957	0.0303	0.0	0.0	9.95E-05	3.79E-03	3.91 E-02	1.93F-01
5		80	81	19757.90	2	1614.10	6.1954	0.0303	0.0	0.0	3.67E-04	3.97E-03	1.77E-02	4.796-02
<u>-</u> -		80	81	22368.93	- <del></del>	1614.11	6.1954	0.0303	0.0	5.05E-05	6.34E-03	1.00E-01	5.74E-01	1.86E 00
8	7	72	73	23993.62	i	1614.27	6.1948	0.0303	0.0	0.0	2.33E-03	4.66F-02	3.12F-01	1.13E 00
6	5	76	77	20572.85	2	1614.32	6.1946	0.0303	0.0	0.0	2.31E-04	2.92E-03	1.36E-02	3.88E-02
7	6	76	77	23157.98	1	1614.49	6.1939	0.0303	0.0	2.61E-05	3.96E-03	7.02E-02	4.33E-01	1.48E 00
Ti	10	59	60	26563.26	î	1615.30	6.1908	E0E0.0	0.0	0.0	4.04E-04	1.17E-02	9.99E-02	4.32E-01
3	2	91	92	19958.52		1615.87	6.1886	0.0303	0.0	2.95E-04	2.08E-02	2.32E-01	1.05E 00	2.90E 00
2	1	91	92	17269.87	2	1616.23	6.1872	0.0303	0.0	2.75E-05	1.01E-03	7.68F-03	2.69E-02	6.15E-02
1	. 0	98	99	18428.62	1	1616.82	6.1850	0.0303	0.0	4.64E-04	2.27E-02	2.03E-01	7.98E-01	1.97E 00
10	9	E9	64	25578.32		1617.48	6.1825	0.0303	0.0	0 • 0	8.04E-04	2.02F-02	1.57E-01	6.35E-01
12	11	54	55	27401.37	1	1617.63	6.1819	0.0303	0.0	0.0	2.19E-04	7.14E-03	6.63E-02	3.03E-01
3	3	87 87	88 88	20618.54 17960.53	1 2	1617.85	6.1810	0.0303	0.0	1.99E-04 2.03E-05	1.645-02	2.01E-01 7.38E-03	9.75E-01 2.76E-02	2.81E 00 6.62E-02
· <u>13</u> .	12	- 49-	-50	28313.87		1617.97	6.1806	0.0303	0.0	0.0	8.81E-04 1.11E-04	4.12E-03	4.17E-02	2.03E-01
9	8	67	68	24637.04	i	1619.05	6.1765	0.0303	0.0	0.0	1.53E-03	3.35E-02	2.395-01	9.04E-01
	~ š		84	18698.40		1619.16	6.1760	0.0303	0.0	0.0	6.57E-04	6.12F-03	2.46F-02	6.20F-02
5	4	.83	84	21327.55	-	1619.26	6.1757	0.0303	0.0	1.20F-04	1.17E-02	1.595-01	8.25E-01	2.49E 00
<del>-</del>	<u>ė</u>	71	72	21187.44	<u>-</u>	1619.47	6.1749	0.0303	0.0	0.0	1.62E-04	2.15E-03	1.10E-02	3.28E-02
2	1	94	95	19004.32	ĩ	1619.78	6.1737	0.0303	0.0	5:11E-04	2.86E-02	2.79E-01	1.16E 00	2.98E 00
~~~~ <u>~</u> 5~	•	79	80	19482.71	~2	1619.82	6.1735	0.0303	0.0	0.0	4.43E-04	4.62E-03	2.00E-02	5.32E-02
6	5	75	76	20312.67	2	1619.92	6.1731	0.0303	0.0	0.0	2.76E-04	3.24E-03	1.52E-02	4.28E-02
8	7	71	72	23740.39	1	1620.00	6.1728	0.0303	0.0	0.0	2.77E-03	5.34E-02	3.49E-01	1.24E 00
6	5	79	80	22084.76	1	1620.09	6 • 1725	E0E0.0	0.0	6.57F-05	7.71E-03	1.17E-01	6.52E-01	2.07E 00
1	0	94	95	16294.18	2	1620.13	6.1723	0.0303	0.0	3.65E-05	1.06E-03	7.01E-03	2.24E-02	4.78E-02
<u>7</u>	<u>6</u>	75	76	22889.33		1620.34	6.1715	0.0303	0.0	3.35E-05	4.76E-03	8.12E-02	4 - 89E-01	1.64E 00
11	``1ō	58	59	26358.85	1	1620.59	6.1706	0.0303	0.0	0.0	4.61E-04	1.30E-02	1.09E-01	4.64E-01
3.	2	90	91	19630.43	1	1622.20	6.1645	0.0303	0.0	4.01E-04	2.61E-02	2.78E-01	1.23E 00	3.29E 00
12	11	90 53	91 54	16952.23 27215.13	2	1622.28 1622.75	6.1642 6.1624	E0E0.0	0.0	3.70E-05 0.0	1.26E-03 2.47E-04	9.15E-03 7.83E-03	3.11E-02 7.14E-02	6.96E-02 3.23E-01
- 1 5		62	63	25358.84		1622.91	6.1618	0.0303	0.0	0.0	9.30E-04	2.26E-02	1.73E-01	6.87E-01
1	ŏ	97	98	18071.92	i	1623.37	6.1600	0.0303	0.0	6.49E-04	2.91E-02	2.48E-01	9.41E-01	2.27E 00
		-66	87	17658-15		1623.90	6.1580	0.0303	0.0	2.69E-05	1.09E-03	8.72E-03	3.17E-02	7.44E-02
13	12	48	49	28145.66	1	1623.96	6.1578	0.0303	0.0	0.0	1.23E-04	4.46E-03	4.45E-02	2 14E-01
4	3	86	87	20306.23	ī	1624.06	6.1574	0.0303	0.0	2.66E-04	2.04E-02	2.39E-01	1.13E 00	3.17E 00
9	8	66	67	24402.34	1	1624.61	6.1553	0.0303	0.0	0.0	1.79E-03	3.80E-02	2.64E-01	9.856-01
7	6	70	71	20945.30	2	1624.92	6.1541	0.0303	0.0	0.0	1.90E-04	2.45F-03	1.53E-05	3.59E-05
4	3	82	83	18411.21	2	1624.98	6.1539	0.0303	0.0	0.0	8.01F-04	7.16E-03	2.80E-02	6.92E-02
	4	82	63	21030.94	1	1625.35	6.1525	0.0303	0.0	1.58E-04	1.44E-02	1.87F-01	9.44E-01	2.BOE 00
•		74	75	20055.60	2	1625.50	6.1520	0.0303	0.0	0.0	3.29E-04	3.72E-03	1.71E-02	4.72E-02
5	•	78	79	19210.62	2	1625.52	6.1519	0.0303	0.0	0.0	5.34E-04	5.35E-03	2.26E-0S	5.90E-02
<u></u>	7	70	71	23490.38	1	1625.70	6.1512	0.0303	0.0	0+0	3.28E-03	6.11E-02	3.89E-01	1.36E 00
11	10	57 78	58 79	26157.66 21803.77		1625.85	6-1506	0.0303	0.0	0.0	5.26E-04	1.44E-02	1.18E-01	4.97E-01
- -	-	74	75	22623.68	- 	1626-06	6.1498	0.0303	0.0	8.53E-05 4.27E-05	9.35E-03 5.71E-03	1.36E-01 9.37E-02	7.40E-01	2.31E 00
	•	77	70		1	1626-17	6.1494	040303	V • V	902 (CTV)	3011E~U3	7101C-U2	5.50E-01	1.81E 00

٧	U VI	L JU	JĻ	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRATE			FFICTENT *	******
<u></u>				STATE		NUMBER 1	LENGTH	WIDTH			CM*GM			
							MICRON	H2	T = 1000	T = 1500	T'= 2000	T = 2500"	T = 3000	T = 3500
	1	93		15964.29	2	1626.28	6.1490	0.0303	0.0	4.97F-05	1.34F-03	8.425-03	2.61E-02	5.44E-02
	2 1			27032.14		1627.65	6.1431	0.0303	0.0	0.0	2.77E-04	9.57F-03	7.69F-02	3.43E-01
	2	1 69 9 61		16637.68		1628.31	6.1413	0.0303	0.0	4.96E-05	1.576-03	1.09F-02	3.59E-02	7.86E-02
1				25142.58		1628.32	6.1413	0.0303	0.0	0.0	1.075-03	2.53F-02	1.99E-01	7.42E-01
		2 89		19305.50		1628.52	6.1405	0.0303	0.0	5.43E-04	3.27E-02	3.33F-01	1.42F 00	3.74E 00
	3 T			27980.70		1628.89	6-1391	0.0303	0.0	0.0	1.36E-04	~4•82E-03~	4.73E-02	2.26E-01
		2 85 0 96		17358.87		1629.81	6.1357	0.0303	0.0	3.55F-05	1.34E-03	1.03F-02	3.64F-02	8.36E-02
				17718.34		1629.90	6.1353	0.0303	0.0	9.05F-04	3.73E-02	3.02F-01	1.11E 00	8.61E 00
	-	8 65 3 85		24170.88		1630.15	6.1344	0.0303	0.0	0.0	2.09E-03	4.29F-02	2.92E-01	1.07E 00
		3 85 6 69		19997.09		1630.25	6.1340	0.0303	0.0	3.55E-04	2.52E-02	2.84E-01	1.30E 00	3.57F 00
		3 81		18127.12		1630.35	6.1337	0.0303	0.0	0.0	2.23F-04	2.78E-03	1.35F-02	3.05E-05
		5 73		19801.66		1630.78 1631.05	6.1320	0.0303	0.0	2.156-06	9.75E-04	8.36F-03	3.18F-02	7.72E-02
	ĭ 1			25959.75		1631.09	6.1310	0.0303	0.0	0.0	3.91E-04	4.27E-03	1.91E-02	5.196-02
		4 77	-	18941.66		1631.19	6.1309 6.1305	0.0303	0.0	0.0	5.98E-04	"i s9E-02 "	1.28E-01	5.32F-01
		7 - 69		23243.58		1631.37	6.1298	0.0303		0.0 2.50E-05	6.42E-04	6.198-03	2.55E-02	6.53F-02
	_	4 61		20737.52		1631.41	6.1297	0.0303	0.0		3.88E-03	6.966-02	4.34E-01	1.49E 00
		73		22361.64		1631.98	6.1275	0.0303		2.07E-04 5.44E-05	1.76E-02	2.20F-01	1.08F 00	3.13F 00
		5 77		21525.99		1631.99	6.1275	0.0303	0.0	1.10F-04	6.82E-03 1.13E-02	1.08E-01	6.18E-01	2.00E 00
		92		15637.47		1632.40	6.1259	0.0303	0.0	6.74E-05	1.68E-03	1.01F-02	8.39E-01	2.57F 00
	2 :			18325.89		1632.63	6.1251	0.0303	0.0	9.64F-04	4.60E-02	4.07F-01	3.03E-02	6.18E-02
1	2 1			26852.39		1632.92	6.1240	0.0303		- 0.0	3.10E-04	9.36E-03	1.58E 00 8.25E-02	3.89E 00
1	0 9	9 60	61	24929.57		1633.70	6.1211	0.0303	0.0	0.0	1.23E-03	2.82F-02	2.07E-01	3.64E-01 8.00E-01
`` 'T	3 12	2 46	47	27818.98	- T	1633.79	6.1207	0.0303	0.0	0.0	1.50E-04	5.20F-03	5.03F-02	2.37E-01
:	2 1		89	16326.21	2	1634.32	6-1188	0.0303	0.0	6.63F-05	1.95E-03	1.295-02	4 • 1 4 E - 02	8.88F-02
	3 2	2 8 8 E	89	18983.73	1	1634.81	6.1169	0.0303	0.0	7.33E-04	4.09E-02	"3 9 8Ê-61"	1.65F 00	4.24E 00
	9		65	23942.65		1635.67	6.1137	0.0303	0.0	0.0	2.43E-03	4.83E-02	3.225-01	1.16F 00
;		84		17062.69	2	1635.71	6.1136	0.0303	0.0	4.68E-05	1.64F-03	1.2 IE-02	4.16E-02	9.37E-02
		5 68		20470.42		1635.75	6.1134	0.0303	0.0	0.0	2.62F-04	3.15E-03	1.50E-02	4.27E-02
` 1				25765.06	1	1636.31	6.1113	0.0303	0.0	0.0	6.78F-04	1.758-02	1.39E-01	5.69E-01
		95	96	17367.91	11	1636.41	6.1109	E0E0.0	0.0	1.26E-03	4.76E-02	3.67F-01	1.30E 00	3.00E 00
	4			19691.13		1636.42	6.1109	0.0303	0.0	4.72E-04	3.12E-02	3.36E-01	1.49E 00	4.02E 00
		80	81	17846.16		1636.55	6.1104	0.0303	0.0	2.79E-05	1.18E-03	9.75F-03	3.61E-02	8.59E-02
	6 9			19550.86		1636.58	6.1103	0.0303	0.0	0.0	4.64F-04	4.A8É-03	2.13E-02	5.70E-02
		76	77	18675.82		1636.85	6.1093	0.0303	0.0	0.0	7.70F-04	7.15E-03	2.875-02	7.22E-02
	8 7			23000.01		1637.03	6.1086	0.0303	0.0	3.13E-05	4.57E-03	7.93F-02	4.82E-01	1.63F 00
	5	80	81	20447.30		1637.46	6.1070	0.0303	0.0	2.71F-04	2.15E-02	2.58E-01	1.23E 00	3.50E 00
		72 76		22102.62		1637.77	6.1059	0.0303	0.0	6.90F-05	8.14F-03	1.24E-01	6.93E-01	2.21E 00
ĩ			77 51	21251.42		1637.91	6.1053	0.0303	0.0	1.42F-04	1.37E-02	1.84E-01	9.48E-01	2.85E 00
		91	92	26675.90 15313.73		1637.97	6.1051	0.0303	0.0	0.0	3.47E-04	1.02F-02	8.83F-02	3.85F-01
-				27660.53		1638.50	6.1031	0.0303	0.0	9.13E-05	2.11E-03	1.21F-02	3.51E-02	7.01E-02
	2 1		92	17991.41	1	1639.66	6.1025	0.0303	0.0	0.0	1.65E-04	5.60F-03	5.33E-02	2.48E-01
~ ~ 1			66	24719.80		1639.02	6.1012	0.0303	0.0	1.32E-03	5.80E-02	4.90F-01	1.84E 00	4.43F 00
	2 1		88	16017.84		1640.31	6.0964	0.0303	0.0	0.0	1.42E-03	3.14F-02	2.265-01	8.60F-01
	3 - 2			18665.15		1641.08	6.0935	0.0303	0.0	8.85F-05	2.42E-03	1.53E-02	4.77E-02	1.00E-01
	7 6		68	20237.70		1641.14	6.0933	0.0303	0.0	9.88E-04	5-11E-02	4.75E-01	1.91E 00	4.80E 00
				23717.67		1641.16	6.0933	0.0303	0.0	0.0	3.06E-04	3.56F-03	1.66E-02	4.65E-02
1	1 10		55	25573.64	ī	1641.49	6.0920	0.0303	0.0	0.0	2.83F-03	5.445-02	3.54F-01	1.26E 00
- '	3 2			~~16769.63°	2	1641.58	6.0917	0.0303	0.0	6.14E-05	7.67E-04	1.93E-02	1.50E-01	6.07E-01
	5 5	71	72	19303.21	2	1642.09	6.0898	0.0303	0.0	0.0	2.015-03	1.42E-02	4.75E-02	1.055-01
•••	4 1			17568.32		1642.31	6.0890	0.0303	0.0	3.61E-05	5.48E-04	5.57F-03 1.13F-02	2.38F-02	6.24E-02
,	5 4	75		18413.12		1642.48	6.0884	0.0303	0.0	0.0	9.215-04		4.10E-02	9.558-02
							~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		U . U	7 • C 1 C T U 4	8.24E-03	3.23E-02	7.98F-02

VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATE	D ** ABSOR		FFICIENT *	****
				ENERGY		CH-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	3	83	84	19388.37		1642.57	6.0880	0.0303	0.0	6.26E-04	3.85E-02	3.97E-01	1.71E 00	4.52E 00
8	7	67	66	22759.69		1642.65	6.0877	0.0303	0.0	3.89E-05	5.37E-03	9.00E-02	5.36E-01	1.79E 00
1	.0	94	95	17020.62		1642.90	6.0868	E0E0.0	0.0	1.74E-03	6.07E-02	4.46E-01	1.53E 00	3.44E 00
12 5	11	49 79	50 80	26502.68		1642.98 1643.48	6.0865	0.0303	0.0	0.0 3.54E-04	3.86E-04 2.62E-02	1.11E-02 3.02E-01	9.45E-02 1.40E 00	4.07E-01 3.91E 00
	12	44	45	27505.34		1643.50	6.0846	0.0303	0.0	0.0	1.81E-04	6.00E-03	5.63E-02	2.60E-01
7	6	71	72	21846.84		1643.53	6.0845	0.0303	0.0	8.73E-05	9.68E-03	1.42E-01	7.75E-01	2.43E 00
<u>-</u>	-5	75	76	20980.08		1643.80	6.0835	0.0303	0.0	1.83E-04	1.65E-02	2.13E-01	1.07E 00	3.16E 00
10	9	58	59	24513.30	1	1644.38	6.0813	0.0303	0.0	0.0	1.62E-03	3.50E-02	2.46E-01	9.25E-01
1	0	90	91	14993.09	2	1644.59	6.0805	0.0303	0.0	1.23E-04	2.63E-03	1.44E-02	4.06E~02	7.95E-02
2	1 .	90	91	17660-10	1	1645.39	6.0776	E0E0.0	0.0	1.80E-03	7.31E-02	5.88E-01	2.15E 00	5.04E 00
2	1	86	87	15712.59		1646.28	6.0743	0.0303	0.0	1 • 1 8E-04	2.99E-03	1.81E-02	5.48E-02	1.13E-01
7	6	66	67	20008.15		1646.49	6.0735	0.0303	0.0	0.0	3.57E-04	4.02E-03	1.83E-02	5.05E-02
9	6	62	63	23495.95		1646.63	6.0730	0.0303	0.0	0.0	3.27E-03	6.10E-02	3.898-01	1.37E 00
11	10	53	54	25385.48		1646.65	6.0729	0.0303	0.0	0.0	8.65E-04	2.12E-02	1.62E-01	6.46E-01
3	2	86 82	87 83	18349.76		1647.33 1647.43	6.0704 6.0701	0.0303 0.0303	0.0	1.33E-03 8.04F-05	6.37E-02 2.46E-03	5.66F-01 1.67E-02	2.20E 00 5.42E-02	5.43E 00 1.17E-01
	- - -	70	71	19058.71		1647.58	6.0695	0.0303	0.0	0.0	6.47E-04	6.35E-03	2.65E-02	6.83E-02
-	11	48	49	26332.73		1647.97	6.0681	0.0303	0.0	0.0	4.29E-04	1.20E-02	1.01F-01	4.29E-01
	3-	78	79	17293.62		1648.04	6.0678	0.0303	0.0	4.65E-05	1.73E-03	1.325-02	4.63E-02	1.06F-01
5	4	74	75	18153.57		1648.09	6.0676	0.0303	0.0	2.41E-05	1.10E-03	9.48E-03	3.62E-02	8.79E-02
	7	66	67	22522.63		1648.25	6.0670	E0E0.0	0.0	4.83E-05	6.30E-03	1.02F-01	5.94E-01	1.95E 00
13	12	E 4	44	27353.43	1	1648.31	6.0668	0.0303	0.0	0.0	1.98F-04	6.43E-03	5.94E~02	2.71E-01
4	3	82	83	19088.83	1	1648.69	6.0654	0.0303	0.0	8.27E-04	4.74E-02	4.68E-01	1.96E 00	5.08E 00
7	6	70	71	21594.31	1	1649.26	6.0633	0.0303	0.0	1.10E-04	1.15E-02	1.63E-01	8.67F-01	2.67E 00
1	0	ΞĒ	94	16676.52		1649.37	6.0529	0.0303	0.0	2.40E-03	7.73E-02	5.40E-01	1.79E;00	3.94E 00
	4	78	79	19876.52		1649.47	6.0626	0.0303	0.0	4.60E-04	3.19E-02	3.53E-01	1.59E 00	4.35E 00
6	5	74	75	20711-97		1649.67	6.0618	0.0303	0.0	2.34E-04	1.98E-02	2.47F-01	1.21E 00	3.50E 00
10	9	57 89	58 90	24310.07		1649.68	6.0618	0.0303	0.0	0.0 1.66E-04	1.85E-03 3.28E-03	3.88E-02 1.72E-02	2.68E-01 4.70E-02	9.93E-01 8.99E-02
2	1	89	90	17331.98		1650.65	6.0582 6.0542	0.0303	0.0	2.44E-03	9.18E-02	7.05E-01	2.49E 00	5.73E 00
	10	52	53	25200.61		1651.79	6.0540	0.0303	0.0	0.0	9.74E-04	2.32F-02	1.74E-01	6.87E-01
7	6	65	66	19781.77		1651.83	6.0539	0.0303	0.0	0.0	4 - 15E-04	4.525-03	2.02E-02	5.48E-02
9	8	61	62	23277.50		1652.07	6.0530	0.0303	0.0	2.42E-05	3.78E-03	6.83E-02	4.27E-01	1.4BE 00
2	1	85	86	15410.46		1652.23	6.0524	0.0303	0.0	1.56E-04	3.69€-03	2.14E-02	6.29F-02	1.27F-01
12	11	47	48	26166.05		1652.93	6.0499	0.0303	0.0	0.0	4.75E-04	1.30F-02	1.07F-01	4.52E-01
6	5	69	70	18817.38		1653.04	6.0495	0.0303	0.0	0.0	7.61E-04	7.22E-03	2.94F-02	7.47F-02
	12	42	43	27204.80		1653.10	6.0492	0.0303	0.0	0.0	2.16E-04	6.87E-03	6.26F-02	2.83F-01
3	2	81	82	16192.90		1653.26	6.0487	0.0303	0.0	1.05E-04	3.00E-03	1.95E-02	6.17E-02	1.31E-01
3	2	85	86	18037.58		1653.55	6.0476	0.0303	0.0	1.78E-03	7.91F-02	6.72E-01	2.54E 00	6.13F, 00
5	3	73 77	74 78	17897,18		1653.68	6.0471	0.0303	0.0	3.05E-05 5.98E-05	1.31E-03 2.08E-03	1.09F-02 1.53E-02	4.06F-02 5.23E-02	9.68E-02
4 8	3	65	78 66	22288.82		1653.75 1653.83	6.0469 6.0466	0.0303 0.0303	0.0	5.97E-05	7.37E-03	1.15F-01	6.57E-02	2.12E 00
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·	81	-82 -82	18792.51		1654.79	6.0431	0.0303		1.09E-03	5.82E-02	5.51E-01	2.24E 00	5.69E 00
10	9	56	57	24110.11		1654.95	6.0425	0.0303	₫•0	0.0	2.11E-03	4 29F-02	2.91E-01	1.06E 00
<del>-</del>	- <u>é</u>	-69	70	21345.04		1654.98	6.0424	0.0303	0.0	1.38E-04	1.36F-02	1.865-01	9.67F-01	2.93E 00
5	4	77	78	19595.97		1655.45	6.0407	0.0303	0.0	5.97E-04	3.86E-02	4.11F-01	1.81E 00	4.85E 00
6	5	73 -	74 "	20447.11		1655.51	6.0404	0.0303	0.0	2.98F-04	2.37F-02	2.85F-01	1.36E 00	3.86E 00
1	0	92	93	16335.59	1	1655.82	6.0393	0.0303	0.0	3.31F-03	9.80E-02	6.52E-01	2.10E 00	4.50E 00
1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	88	89	14361.15	2	1656.70	10E0.0	0.0303	0.0	2.27E-04	4.09F-03	2.04E-02	5.42F-02	1.02E-01
	10	51	52	25019.01		1656.89	6.0354	0.0303	0.0	0.0	1.09E-03	2.53E-02	1.87E-01	7.29E-01
7	6	64	65	19558.57		1657.14	6.034,5	0.0303	0.0	0.0	4.81E-04	5.08F-03	2.22E-02	5.94E-02
9	8	60	61	23062.32	1	1657.48	6.0333	0.0303	0.0	2.93F-05	4.36E-03	7.63E-02	4.68E-01	1.59E 00

	VL	JU	JL.	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	D ** ABSORF		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
13	12	41	42	27059.45		1657.85	6.0319	0.0303	0.0	0.0	2.35F-04	7.31F-03	6.58F-02	2.94E-01
12	11	46	47	26002.67		1657.86	6.0319	0.0303	0.0	0.0	5.25E-04	1.40F-02	1.14E-01	4.75F-01
2	1	68	89	17007.07		1658.07	6.0311	0.0303	0.0	3.31E-02	1.15F-01	8.446-01	2.89E 00	6.51E 00
2	1	84	85	15111.48		1658.15	80E0.0	0.0303	0.0	2.06E-04	4.54E-03	2.53F-02	7.21F-02	1.42E-01
6 3	5	68	69	18579.22		1658.48	6.0296	0.0303	0.0	0.0	8.93E-04	9.19F-03	3.26F-02	8.156-02
	2	80	81	15909.25		1659.07	6.0275	0.0303	0.0	1.37E-04	3.64E-03	2.27E-02	7.01E-02	1.46F-01
5 8	4	72	73	17643.96		1659.24	6.0269	0.0303	0.0	3.84E-05	1.55E-03	1.25E-02	4.53E-02	1.06E-01
4	7	64 76	65 77	22058.29		1659.38	6.0263	0.0303	0.0	7.35E-05	8.59E-03	1.30F-01	7.25E-01	3.30E 00
3	- 3		85	16753.69		1659.43	6.0262	0.0303	0.0	7.66F-05	2.50E-03	1.76F-02	5.90E-02	1.30F-01
	9	84		17728.62		1659.76	6.0250	0.0303	0.0	2.37E-03	9.80F-02	7.97F-01	2.93F 00	6.91E 00
10	- 6	55 68	56 69	23913.44		1660.20	6.0234	0.0303	0.0	0.0	2.39E-03	4.74F-02	3.15E-01	1.14F 00
Á	3			21099.03		1660.66	6.0217	0.0303	0.0	1.73E-04	1.61F-02	2.12E-01	1.08E 00	3.20F 00
	-5	80 72	81	18499.43		1660.87	6.0209	0.0303	0.0	1.43F-03	7.12E-02	6.47F-01	2.56E 00	6.37E 00
5	4	72 76	73 77	20185.51		1661.33	6.0193	0.0303	0.0	3.79E-04	2.83F-02	3.28E-01	1.52F 00	4.26E 00
11	10	50	51	19318.68		1661.40	6.0190	0.0303		7.71E-04	4.67E-02	4.78F-01	2.04E 00	5.38F 00
1	0	91	92	15997.85		1661.97 1662.25	6.0170	0.0303	0.0	0.0	1.22E-03	2.76E-02	2.01E-01	7.72F-01
7	6	63	64	19338.57		1662.43	6.0159	0.0303	0.0	4.54E-03	1.24E-01	7.86E-01	2.45E 00	5.13E Q0
13	12	40	41	26917.39			6.0153	0.0303	0.0	0.0	5.57E-04	5.69F-03	2.44F-02	6.42F-02
- <del>1</del>		87	88	14049.87		1662.58	6.0147	E0E0.0	0.0	0.0	2.55E-04	7.77E-03	6.89E-02	3.06E-01
12	12	45	46	25842.57		1662.72	6.0142	0.0303	0.0	2.97E-04	5.07F-03	2.43F-02	6.25F-02	1.15F-01
	8	59	60	22850.43		1662.77	6.0141	0.0303	0.0	0.0	5.79E-04	1.51E-02	1.21E-01	4.98E-01
6	5	67	68	18344.26		1662.87	6.0137	0.0303	0.0	3.54E-05	5.01F-03	B.51F-02	5-11F-01	1.71E 00
2	1	83	84	14815.63		1663.89	6.0100	0.0303	0.0	2.18E-05	1.05E-03	9.27E-03	3.61E-02	8.88F,-02
2	i	87	88	16685.38		1664.06	6.0094	0.0303	0.0	2.71E-04	5.57F-03	2.97F-02	8.25F-02	1.596-01
		71	72-	17393.93		1664.38	6.0082	0.0303	0.0	4.47E-03	1.44F-01	1.91 <u>F</u> 00_	3.35E 00	7.38E 00
3	2	79	80	15628.77		1664.78	6.0068	0.0303	0.0	4.83E-05	1.84F-03	1.42E-02	5.06F-02	1.175-01
8	<del></del> -	63	64	21831.04		1664.86	6.0065	0.0303	0.0	1.77E-04	4.42E-03	2.6502	7.956-02	1.62F-01
•	3	75	76	16488.47		1664.91	6.0063	0.0303	0.0	9.03E-05	1.00E-02	1.47E-01	7.99E-01	2.50= 00
10	9	54	55	23720.06		1665.10	6.0056	0.0303	0.0	9.78E-05	3.00E-03	2.04F-02	6.63F-02	1.44E-01
3	2	83	84	17422.89		1665.43	6.0045	0.0303	0.0	0.0	2.71E-03	5.22E-02,	3.41F-01	1.21E 00
<del></del> 7		67	68	20856.30		1665.94	6.0026	0.0303	0.0	3.15E-03	1.21E-01	9.43E-01	3.36E 00	7.78E 01
Ä	3	79	80	18209.59		1666.33	6.0012	0.0303	0.0	2.16E-04	1.89E-02	2.41E-01	1.50E 00	3.50F 00
11	10	49	50	24665.70		1666.93	5.9991	0.0303	0.0	1.87E-03	8.70E-02	7.58E-01	2.92E 00	7.12E 00
6	5	71	72	19927.18		1667.02 1667.13	5.9987	0.0303	0.0	0.0	1.366-03	3.01E-02	2.15E-01	8-175-01
13	12	39	40	26778.63			5.9983	0.0303	0.0	4.81E-04	3.37E-02	3.76F-01	1.71F 00	4.69F 00
5	4	75	76	19044.64		1667.28 1667.33	5•9978 5•9976	0.0303	0.0	0.0	2.75E-04	8.24F-03	7.21E-02	3.17E-01
12	11	44	45	25685.79		1667.65	5.9965	0.0303	0.0	9.93E-04	5.64E-02	5.54F-01	2.31E 00	5.97F 00
7	6	62	63	19121.76		1667.69		0.0303	0.0	0.0	6.35E-04	1.62F-02	1.28E-01	5.226-0.1
	8	58	-59 -	22641.83		1668.24	5.9963	0.0303	0.0	0.0	6.42E-04	6.37E-03	2.67E-02	6.945-02
1	ō	90	91	15663.33		1668.65	5.9943 5.9929		0.0	4.27E-05	5.74E-03	9-47F-02	5.57E-01	1.84€ 00
1	ŏ	86	87	13741.75		1668.72	5.9929	0.0303	0.0	6.21E-03	1.57E-01	9.46F-01	2.85F 00	5.858 00
6	Š	66	67	18112.48		1669.29	5.9926 5.9906	0.0303 0.0303	0.0	3.96F-04	6.29E-03	2.87E-02	7.20F-02	1.29E-01
	<u>ī</u> -	82	-83-	14522.95		1669.94	5.9882	0.0303	0.0	2.70E-05	1.22E-03	1.055-02	3.99F-02,	9.66E-02
5	4	70	71	17147.08		1670.30	5.9869	0.0303	0.0	3.56E-04	6.82F-03	773.439E-02	9.42E-02	1.78E-01
8	7	62	63	21607.08		1670.41	5.9866		0.0	6.06E-05	2.18F-03	1.62E-02	5.64F-02	1.28E-01
10	9	53	54	23529.98		1670.62	5.9858	E0E0.0		1.10E-04	1.16F-02	1.658-01	8.79E-01	2.71E 00
	- 2	78	79	15351.45		1670.62	5.9858	0.0303	0.0	0.0	3.06E-03	5.74E-02	3.68F-01	1.29F 00
2	ĩ	86	87	16366.91	1	1670.66	5.9857	0.0303		2.29E-04	5.34E-03	3.08E-02	4.00€-05	1.816-01
	<del>-</del> -	74	75	16226.44		1670.74	5.9854	0.0303	0.0	6.02E-03	1.80E-01	1.20F 00	3.88E 00	8.355 00
	12	38	39	26643.18		1671.95	5.9810	0.0303	0.0	1.24E-04	3.59F-03	2.35E-02	7.45E-02	1.59E-01
					-	* U(Y 4 2 2	3,5010	0.000	0.0	0.0	2.97E-04	8.71E-03	7.53E-02	3.28E-01
13		66	67	20616.86	1	1671.96	5.9810	0.0303	0.0	2.68E-04	2.22E-02	2.74F-01	1.33E 00	3.82F 00

							CA	RBON MONOXI	DE					
<b>~</b> ′⊽ບ′′		Jū	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*******	* INTEGRATI	D ** ABSOR		FFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
3	2	82		17120.41	1	1672.10	5.9805	0.0303	0.0	4.17E-03	1.49E-01	1.11E 00	3.86E 00	8.75E 00
12	11	43	44	25532.30		1672.50	5.9791	0.0303	0.0	0.0	6.96E-04	1.74E-02	1.35E-01	5.45E-01
. 6	5	70	71	19672.14		1672.90	5.9776	0.0303	0.0	6.08F-04	4.01E-02	4.31E-01	1.91E 00	5.16E 00
7	6	61		18908.16		1672.93	5.9775	0.0303	0.0	0 - 0	7.39E-04	7.11E-03	2.92E-02	7.48E-02
4	3	78	79	17923.02	1	1672.96	5.9774	0.0303	0.0	2.44E-03	1.06E-01	8.86E-01	3.32E 00	7.95E 00
5	4	74		18773.88	1	1673.23	5.9765	0.0303	0.0	1.27E-03	6.78E-02	6.41E-01	2.61E 00	6.62E 00
, 9	8	57	58	22436.54		1673.57	5.9753	0.0303	0.0	5.13E-05	6.57E-03	1.05E-01	6.07E-01	1.98E 00
6	5	65	66	17883.92		1674.66	5.9714	0.0303	0.0	3.32E-05	1.42E-03	1.185-02	4.40E-02	1.05E-01 1.45E-01
1_	0.	_85	86	13436.77		1674.70	5.9712	0.0303	0.0	5.26F-04	7.77E-03	3.40E-02	8.27E-02	
1	0	89	90	15332.04		1675.04	5.9700	0.0303	0.0	8.46E-03	1.97E-01	1.14E 00	3.32E 00	6.668 00
10	. 9	52	53_	23343.22	1	1675.79	5.9673	0.0303	0.0	2.17E-05	3.45E-03	6.30E-02	3.97E-01	1.38E 00
-` \$	4	65	70	16903.43		1675.80	5.9673	0.0303	0.0	7.576-05	2.56E-03	1.85E-02	6.27E-02 1.07E-01	1.99E-01
2	. <u>.</u>	81	82	14233.45	2	1675.81	5.9673	0.0303	0.0	4.66E-04	8.32E-03 1.34E-02	4.09E-02 1.85E-01	9.65E-01	2.93E 00
8	<b>'</b> '?'	61	62	21386.43		1675.89	5.9670	0.0303	0.0	1.35E-04		2.70E-02	8.36E-02	1.75E-01
4	.3.	.73	74	15967.60		1676.36	5.9653	0.0303	0.0	1.58E-04	4.28E-03	3.58E-02	1.02E-01	2.00E-01
3	[2]	77	78	15077.32		1676.36	5.9653	0.0303	0.0	2.95E-04 0.0	6.45E-03	9.18E-03	7.84E-02	3.38E-01
13	12	37	38	26511.04	1	1676.59	5.9645	0.0303	0.0		3.19F-04 2.24E-01	1.43E 00	4.48E 00	9.45E 00
2	1	85	86	16051-69		1676.93	5.9633	0.0303	0.0	8.09E-03	1.68E-03	3.535-02	2.45E-01	9.09E-01
11	10	47.	48	24325-62		1677.04	5.9629	0.0303	0.0	0.0	7.60E-04	1.86E-02	1.42E-01	5.69E-01
1,5	11	42	43	25382.13		1677.32	5.9619	0.0303	0.0				1.47E 00	4.16E 00
7	. 6	65	66	20380.71	1	1677.58	5.9610	0.0303	0.0	3.32E-04	2.60E-02 8.49E-04	3.10E-01 7.92E-03	3.19E-02	8.05E-02
7	6	60	61	18697.77		1678.15	5.9589	0.0303	0.0		1.84E-01	1.31E 00	4.42E 00	9.82E 00
.3	2	81	82	16821.19		1678.24	5.9586	0.0303	0.0	5.51E-03 7.65E-04	4.75E-02	4.93E-01	2.13E 00	5.66E 00
6	5	69	70	19420.38 22234.55		1678.65 1678.88		0.0303	0.0	6,13E-05	7.49E-03	1.17F-01	6.60E-01	2.12E 00
9	, 8 3.	56 77	∵57 ``78`^	17639,71	~~ <u>i</u>	1678.97	5.9564 5.9560	0.0303	0.0	3.17F-03	1.29E-01	1.03E 00	3.77E 00	8.86E 00
4	4	73	74	18506.41	i	1679.11	5.9555	0.0303	0.0	1.63E-03	8.14F-02	7.41E-01	2.94E 00	7.32E 00
. 6	5.	64	65 ·	17658.56		1680.00	5.9524	0.0303	0.0	4.06E-05	1.65E-03	1.33E-02	4.84E-02	1.14E-01
٠	0	84	85	13134.97		1680.66	5.9500	0.0303	0.0	6.97E-04	9.57E-03	4.01E-02	9.49E-02	1.63E-01
- 10		- <u>5</u> 7	52	23159.78		1680.93	5.9491	0.0303	0.0	2.54E-05	3.88E-03	6.89F-02	4.26E-01	1.46€ 00
13	12	36	37	26382.21	i	1681.21	5.9481	0.0308	0.0	0.0	3.42E-04	9.66F-03	8-14E-02	3.48E-01
. ::		~68°	69	16662.99	~~~2	1681.27	5.9479	0.0303	0.0	9.42E-05	3.01E-03	2.10F-02	6.96E-02	1.53E-01
8	7	60	61	21169.09		1681.34	5.9476	0.0303	0.0	1.64E-04	1.55E-02	2.07E-01	1.06E 00	3.16E 00
·	<del>:</del>	~aa~	89	15003.98		1681.40	5.9474	0.0303	0.0	1.15E-02	2.48E-01	1.36E 00	3.86E 00	7.57E 00
2	1	80	81	13947.12		1681.65	5.9465	0.0303	0.0	6.08E-04	1.01E-02	4.78E-02	1.22E-01	2.22E-01
- · <u>-</u>	-` ₃¯-	72	73	15711.97		1681.96	5.9454	0.0303	0.0	2.00E-04	5.09E-03	3.09E-02	9.35E-02	1.92E-01
11	10	46	47	24160.56	_	1682.01	5.9453	0.0303	0.0	0.0	1.86E-03	3.82E-02	2.60E-01	9.55E-01
<i>"</i> " ⊸ੌਤ '	2	76	~ <del>~~</del>	14806.39		1682.08	5.9450	0.0303	0.0	3.78E-04	7.76E-03	4.14E-02	1.15E-01	2.22E-01
12	11	41	42	25235.28		1682.11	5.9449	0.0303	0.0	0.0	0.27E-04	1.98E-02	1.50E-01	5.92E-01
2	1	84	85	15739.73		1683.17	5.9412	0.0303	0.0	1.08E-02	2.78E-01	1.70F 00	5.17E 00	1.07E 01
7	6	64	65	20147.87		1683.17	5.9412	0.0303	0.0	4.10F-04	3.04E-02	3.50E-01	1.52E 00	4.53E 00
7	6	59	60	18490.61		1683.34	5.9406	0.0303	0.0	0.0	9.72E-04	8.81E-03	3.48E-02	8.65E-02
9	8	55	56	22035.89		1684.17	5.9376	0.0303	0.0	7.31E-05	8.52E-03	1.29E-01	7.16E-01	2.27E 00
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2	80	81	16525.24		1684.35	5+9370	0.0303	0.0	7.26E-03	2.25E-01	1.54E 00	5.05E 00	1.10E 01
5	5	68	69	19171.93		1684.37	5.9369	0.0303	0.0	9.60E-04	5.62E-02	5.63E-01	2.38E 00	6.21E 00
		72	73	18242.22		1684.96	5.9349	0.0303	0.0	2.08E-03	9.75E-02	8.54E-01	3.30E 00	8.08E 00
4	3	76	77	17359.69		1684.96	5.9349	0.0303	0.0	4.11E-03	1.56E-01	1.20E 00	4.27E 00	9.85E 00
	5	63	64	17436.43		1685.32	5.9336	0.0303	0.0	4.96E-05	1.91E-03	1.49E-02	5.32E-02	1.23E-01
13	12	35	36	26256.71	ī	1685.79	5.9319	0.0312	0.0	0.0	3.65E-04	1.01E-02	8.44E-02	3.58E-01
10	—ੋ ਤੂੰ~	50	51	22979.66	<u>î</u>	1686.05	5.9310	0.0303	0.0	2.97E-05	4.34E-03	7.52E-02	4.58E-01	1.55E 00
1	ō	83	84	12836.35		1686.60	5.9291	0.0303	0.0	9.20E-04	1.18E-02	4.73E-02	1.09E-01	1.83E-01
5	4	67	68	16425.77		1686.72	5.9287	0.0303	0.0	1.17E-04	3.53E-03	2.38E-02	7.71E-02	1.67E-01
8	7	59	60	20955.06		1686.76	5.9285	0.0303	,0 • O _x	1.98E-04	1.78E-02	2.31F-01	1.16E 00	3.41E 00
	<u>-</u>								1 47					

VL	J VŁ	JÜ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE" LENGTH	HALF WIDTH	*****	** INTEGRATI	ED ** ARSORI CM*GI	PTION ** COE	FFICIENT *	*****
				ENERGY	***************************************	CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = ,3500
12		40	41	25091.76	1	1686.87	5.9281	0.0303	0.0	0.0	8.98E-04	2 • 1 1E-02	1.57E-01	6.15E-01
11	10	45	46	23998.83		1686.95	5.9279	0.0303	0.0	0.0	2.05E-03	4.11F-02	2.76E-01	1.00E 00
2	21	79	8 <u>_0</u>	13663.99		1687.47	5.9260	0.0303	0.0	7.90E-04	1.23E-02	5.58E-02	1.39E-01	2.48E-01
4	3		72	15459.54		1687.53	5.9258	0.0303	0.0	2.52E-04	6.04E-03	3.54F-02	1.05E-01	2.1 IE-01
1		87_	88	14679.17	1	1687.75	5.9250	0.0303	2.56E-05	1.56E~02	3.11E-01	1.63F 00	4.48E 00	8.59E 00
		75	76	14538.66		1687.78	5.9249	0.0303	0.0	4.84F~04	9.32E-03	4.78E-02	1.29E-01	2.46E-01
		<u>58</u>	59 64	18286.68		1688.51	5.9224	0.0303	0.0	2.35E-05	1.11E-03	9.77F-03	3.79E-02	0.29E-02
2	_	83	84	19918.36 15431.03		1688.73	5,9216	0.0303	0.0	5.05F-04	3.54E-02	3.95E-01	1.79E 00	4.92E 00
	8	54	55	21840.56	- <u>1</u>	1689.38	5.9193	0.0303	0.0	1.44E-02	3.45E-01	2.02F 00	5.95E 00	1.20E 01
		67	68	18926.79	1	1690.07	5.9192 5.9169	0.0303	0.0	8 • 69E-05	9.66F-03	1.42F-01	7.75E-01	2.43E 00
13		34	35	26134.53	1	1690.34	5.9160	0.0303	0.0	1.20E-03	6.63E-02	6.41E-01	2.65E 00	6.79E 00
- 3		79	80	16232.57	i	1690.44	5.9156	0.0303		0.0	3.88F-04	1.06E-02	8 • 73E-02	3.67E-01
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		62	63	17217.54		1690.62	5.9150	0.0303	0.0	9.52E-03 6.04E-05	2.76E-01 2.21E-03	1.81F 00 1.67E-02	5.77E 00 5.84E-02	1.23E 01
5	5 4	71	72	17981.34		1690.80	5.9144	0.0303	0.0	2.64E-03	1.16E-01	9.83F-01	3.70F 00	1.33E-01 8.91E 00
	=====	75	76	17082.96		1690.92	5.9139	0.0303	0.0	5.31E-03	1.89E-01	1.40F 00	4.84E 00	1.09E 01
10		49	50	22802.87	1	1691.13	5.9132	E0E0.0	0.0	3.46F-05	4.85E-03	8.195-02	4.90E-01	1.64E 00
12	11	39	40	24951.57	1	1691.61	5.9115	0.0303	0.0	0.0	9.72E-04	2.24E-02	1.64E-01	6.38E-01
11	10	44	45	23840.43	1	1691.87	5.9106	0.0303	0.0	0.0	2.26E-03	4.42E-02	2.92E-01	1.05E 00
5	4	66	67	16191.77	2	1692.14	5.9097	0.0303	0.0	1.44E-04	4.13E-03	2.69E-02	8.53E-02	1.815-01
		58	59	20744.37	1	1692.16	5.9096	0.0303	0.0	2.39E-04	2.05F-02	2.57F-01	1.26E 00	3.67E 00
		82	83	12540.93		1692.52	5.9083	0.0303	0.0	1.21E-03	1.44E-02	5.56E-02	1.24F-01	2.06E-01
4		70	71	15210.34		1693.09	5.9064	0.0303	0.0	3.16E-04	7.15E-03	4.04E-02	1.17E-01	2.32E-01
2	_	78	79	13384.06		1693.27	5.9057	0.0303	0.0	1.025-03	1.49E-02	6.50E-02	1.576-01	2.76F-01
3		74	75	14274.14		1693.46	5.9051	0.0303	0.0	6.18E-04	1.12E-02	5.52E-02	1.46E-01	2.71E-01
	_	57	58	18085.99		1693.65	5.9044	0.0303	0.0	2.81E-05	1.27E-03	1.085-02	4.11E-02	9.96E-02
		86	87	14357.63	1	1694.07	5.9029	0.0303	4.03F-05	2.10E-02	3.89E-01	1.95F 00	5.19E 00	9.74E 00
,		62 53	63	19692.16		1694.27	5.9022	0.0303	0.0	6.19F~04	4.11E-02	4.44E-01	1.97E 00	5.33E 00
<u>1</u> 3		33	54 34	21648.56 26015.68		1694.66	5.9009	0.0303	0.0	1.03E-04	1.09E-02	1456E-01	8.38E-01	2.59E 00
		82	83	15125.61		1694.87	5.9002	0.0321	0.0	0.0	4.12E-04	1.116-02	9.00E-02	3.7,66-01
		-88-	67	18684.96	$-\frac{1}{1}$	1695.58	5.8977	0.0303	2.54E-05	1.92E-02	4.26E-01	2.39E 00	6 84E 00	1.35E 01
Č		61	62	17001.87		1695.74	5.8971 5.8966	0.0303	0.0	1.50E-03	7.80E-02	7.29E-01	2.94E 00	7.42F 00
-16		~ <del>4</del> 8	49	22629.43		1696.19	5.8956	0.0303	0.0	7.33E-05	2.55E-03	1.87F-02	6.39E-02	1.44E-01
12		38	39	24814.72		1696.31	5.8951	0.0303	0.0	4.02E-05 0.0	5-40E-03	8.90F-02	5.24E-01	1.73E 00
5		78	79	15943.20		1696.51	5 8945	0.0303	0.0	1.255-02	1.05E-03 3.37E-01	2.37F-02	1.72E-01	6.60E-01
		70	71	17723.78		1696.60	5.8941	0.0303	0.0	3.35E-03	1.39E-01	2.12E 00 1.13E 00	6.57E 00 4.15E 00	1.38E 01.
11		43	44	23685.38		1696.75	5.8936	0.0303	0.0	0.0	2.47E-03	4.74E-02	3.09E-01	1-10F 00
4	3	74	75	16809.55		1696.86	5.8932	0.0303	0.0	6.83F-03	2.27E-01	1.62E 00	5.46E 00	1.21E 01
	j 7	57	58	20537.02		1697.54	5.8909	0.0303	0.0	2.88E-04	2.34E-02	2.86E-01	1.38E 00	3.95E 00
٤	5 4	65	66	15961.02		1697.55	5.8908	0.0303	0.0	1.78F-04	4.82E-03	3.04E-02	9.42E-02	1.97E-01
1	-	51	82	12248.70		1698.41	5.8879	0.0303	0.0	1.59E-03	1.77F-02	6.53E-02	1.42E-01	2.30E-01
	3	69	70	14964.37		1698.62	5.8871	0.0303	0.0	3.96E-04	8.43E-03	4.61E-02	1.30E-01	2.54E-01
7		56	57	17888.55		1698.77	5.8866	0.0303	0.0	3.34E-05	1.44E-03	1.20E-02	4.46E-02	1.07E-01
2		77	78	13107.35		1699.04	5.8857	0.0303	0.0	1.32E-03	1.81E-02	7.55E-02	1.78E-01	3.06E-01
		73	74	14012-86		1699411	5.8854	0.0303	0.0	7.86E-04	1.33E-02	6.35F-02	1.63E-01	2.99E-01
13		32	<u> 33</u> -	25900-18		1699.36	5.8846	0.0326	0.0	0.0	4.36E-04	1.15E-02	9.26E-02	3.836-01
5	6	61	62	19469.31	1	1699.78	5.6831	0.0303	0.0	7.57E-04	4.76E-02	4.99E-01	2.17E 00	5.77E 00
		<u> 52</u> .	53	21459.91	1	1699.86	5.8828	0.0303	0.0	1.21E-04	1.23E-02	1.726-01	9.03E-01	2.76€ 00
12	_	37	36	24681.22		1700.36	5.8811	0.0303	6.31E-05	2.83E-02	4.85E-01	2.32F 00	6.00E 00	1.10E 01
		60	61	16789.46		1700.99	5.8789	0.0303	0.0	0.0	1.13E-03	2.50E-02	1.79E-01	6.82E-01
				22459.34		1701.12	5.6781	0.0303	0.0	8.87E-05 4.65E-05	2.93E-03 6.00E-03	2.08E-02	6+98E-02	1.55E-Q1
10	•	47	48									9.65E-02	5.59E-01	1.83E 00

^^~~``VÚ ′	vĽ~	~ <b>j</b> ù~	"jĽ	LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRAT	ED ** ABSORP		EFFÏCŰENŰŰ	******
				STATE		NUMBER	LENGTH	WIDTH			CM*GM	-1 -2		
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500"	T = 3000	T = 3500
				<del></del> -										
6	5	65	66	18446.48	1	1701.39	5.8775	0.0303	0.0	1.86E-03	9.15E-02	8.26E-01	3.26E 00	8.09E 00
7 '7 """ 11 '	10	42"	43	23533.68	1	1701.61	5 8768	0.0303	0.0	0.0	2.70E-03	″5.08É-02	3-26E-01	1.15F 00
2	1	81	82	14823.48	1	1701.75	5.8763	0.0303	3.88E-05	2.54E-02	5.25E-01	2.82E 00	7.84E 00	1.52E 01
5 5	4	69	70	17469.54	1	1702.39	5.8741	0.0303	0.0	4.22E-03	1.65F-01	1.29E 00	4.64E 00	1.08E 01
3		77	78	15657.13	1	1702.56	5.8735	0.0303	0.0	1.62E-02	4.10E-01	2.48E 00	7.47E 00	1.53E 01
` 4	~ 3´´	73	74	~16539 <b>.</b> 45	1	1702.77	5.8728	0.0303	0.0	8.76E-03	2.73E-01	1.88E 00	6.16F 00	1.34E 01
8	7	56	57	20333.01		1702.88	5.8724	0.0303	0.0	3.45E-04	2.68E-02	3.17E-01	1.50E 00	4.23E 00
5	4	64	65'	<b>์ โร๊วร์รีรี•ิ</b> ธโ	~~~~~	1702.92	5.8723	0.0303	0.0	2.19F-04	ື້ ອີ <b>. ີ</b> ອີ ໃຊ້-03ື	3.42E-02	1.04E-01	2.14E-01
13	12	31	32	25788.01	1	1703.82	5.8692	0.0331	0.0	0.0	4.59E-04	1.19E-02	9.50E-02	3.90E-01
7	6	55	<b>5</b> 6	17694.37		1703.86	5.8690	0.0303	0.0	3.97E-05	1.63F-03	1.32F-02	4.83F-02	1.145-01
4	3	68	69	14721.64	2	1704.12	5.8681	0.0303	0.0	4.93E-04	9.93E-03	5.24E-02	1.44E-01	2.77E-01
1	0	80	81	11959.70	2	1704.29	5.8675	0.0303	0.0	2.08E-03	2.16E-02	7.64E-02	1.61E-01	2.57E-01
3	2	72	_73_	13754.80	2	1704.74	5.8660	0.0303	0.0	9.95F-04	1.59E-02	7.29E-02	1.83E-01	3.29E-01
ź	1	76	77~	12833.86	2	1704.80	5.8658	0.0303	0.0	1.70F-03	2.18F-02	8.75E-02	2.01E-01	3.40E-01
9 _	8	51		21274.62	1	1705.04	5.8650	0.0303	0.0	1.436-04	1.39F-02	1.88F-01	9.72E-01	2.93E 00
7 ~	6	60	61	19249.80	1	1705.26	5.8642	0.0303	0.0	9.21E-04	5.51E-02	5.58E-01	2.38E 00	6.24E 00
12	11	36	37	24551.07	1	1705.64	5.8629	8050.0	0.0	0.0	1.21F-03	2.63F-02	1.86E-01	7.02E-01
10	9	46	47	22292.60	<u>i</u>	1706.23	5.8609	0.0303	0.0	5.35E-05	6.64F-03	1.04F-01	5.95E-01	1.92E 00
6	5	59	60	16580.31	2	1706.37	5.8604	0.0303	0.0	1.07F-04	3.36E-03	2.31E-02	7.62E-02	1.66E-01
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10	41	42	23385.33		1706.43	5.8602	0.0303	0.0	0.0	~ 95E-03	5.42E-02	3.43E-01	1.19F 00
	0	84	85	13724.39	1	1706.64	5.8595	0.0303	9.84F~05	3.80E-02	6.04E-01	2.77E 00	6.93E 00	1.25E 01
6"		64		18211.34	1 "	1707.02	5.8582	0.0303	0.0	2.30E-03	1.07E-01	9.356-01	3.50E 00	8.81E 00
2	_ 1 _	80.	.81	14524.67	1	1707.90	5.8551	0.0303	5.91E-05	3.35E-02	6.45E-01	3.32E 00	9.98E 00	1.70E 01
5	4 "	68	69	-	<u>i</u>	1708.15	5.8543	EOEO.O	0.0	5.31F-03	1.956-01	1.48E 00	5.17E 00	1.18E 01
8	7.22.2	55	_56	20132.36	1	1708.20	5.8541	0.0303	0.0	4.12E-04	3.05F-02	_3.51F-01	1.63E 00	4.53E 00
		30	31	25679.20		1708.26	5.8539	0.0335	0.0	0.0	4.82E-04	1.236-02	9.73E-02	3.97F-01
<u> </u>	4	63	64_	15509.25	2	1708.28	5.8538	E0E0.0	0.0	2.68E-04	6.51E-03 "	3.95E-02	1.14E-01	2.32E-01
3		76	77	15374.38		1708.58	5.8528	0.0303	2.47F-05	2.115-02	4.98E-01	2.89E 00	8.48E 00	1.71E 01
	3	72	73	16272.68	1	1708-67	5.8525	0.0303	0.0	1.12E-02	3.28E-01	2.175 00	6.94E 00	1.48F 01
7	6	54	55	17503.45	2	1708.93	5.8516	0.0303	0.0	4.70F-05	1.84E-03	1.45F-02	5.225-02	1.21E-01
		67	.68	14482.17	2	1709.60	5.8493	0.0303	0.0	6.14E-04	1.17F-02	5.955-02	t_60E-01	3.03E-01
ı	-	79	80	11673.92		1710.14	5.8475	0.0303	0.0	2.71E-03	2.62E-02	8.93E-02	1.84E-01	2.87E-01
	8	50	.51	21092.69		1710.19	5.8473	0.0303	0.0	1.67F-04	1.556-02	2.05E-01	1.04E 00	3.11E 00
12		35	36	24424.27	1	1710.26	5.8471	0.0312	0.0	0.0	1.29E-03	2.76E-02	1.935-01	7.22E-01
3.		71	72	13499.99	_ 2	1710.35	5.6468	0.0303	0.0	1.26E-03	1.89F-02	8.36F-02	2.05F-01	3.62F-01
7	6			12563.62		1710.53	5.8461	0.0303	0.0	2.18E-03	2.62E-02	1.01F-01	2.27E-01	3.76E-01
10		59 45	60	19033.64	. !	1710.72	5.8455	0.0303	0.0	1.12E-03	6.35E-02	6.24E-01	2.60€ 00	6.73E 00
			46	22129.23	1	1711-20	5.8439	0.0303	0.0	6.15E-05	7.33E-03	1.136-01	6.32E-01	2.02E 00
. 11		40 58	41 59	23240.34	<u>1</u>	1711.23	5.8437 5.8426	0.0303	0.0	2.06E-05	3.20E-03	5.77E-02	3.60E-01	1.24E 00
6		63	64	17979.55	2		5.8390	0.0303		1.28E-04	3.84E-03	2.57F-02	8.30E-02	1.79E-01
13		29 -		25573.73		1712.61	5.8389	0.0340	0.0	2.83E-03	1.25E-01	1.06E 00	3.98F 00	9.58E 00
13	0	83	84	13412.71	1	1712.90	5.8381	0.0303	1.53E-04	5.08E-02	5.04E-04 -7.50E-01	3.28E 00	9.93E-02 7.99E 00	4.02E-01 1.41E 01
~~ ~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		54		19935.07		1713.50	5.8360	0.0303	0.0	4.91E-04	3.46E-02	3.87F-01	1.76E 00	
-		62	63	15288.27	2	1713.50	5.8356	0.0303	0.0	3.27E-04				4.85E 00
(		67-	-68 	16971.09		1713.88	5.8347	0.0303	0.0	6.65F-03	7.53E-03 2.30E-01	4.31E-02	1.25E-01 5.76E 00	2.51E-01 1.29F 01
7		53	54	17315.80	2	1713.00	5.8344	0.0303	0.0	5.53E-05	2.305-01	1.59E-02	5.62E-02	1.29E-01
		79 1		14229.17		1714.03	5.8342	0.0303	8.95E-05	4.41E-02	7.91E-01	3.90E 00	- 1.03E 01	1.71E 01
Δ		71	72	16009.24	-	1714.53	5.8325	0.0303	0.0	1.43E-02	3.92F-01	2.505 00	7.79E 00	1.64E 01
· · · · · · · · · · · · · · · · · · ·		75	76	15094.96	<del>i</del> -	1714.58	5.8323	0.0303	3.66E-05	2.736-02	6.03E-01	3.36E 00	9.61E 00	1.90E 01
		34	35	24300.84	ī	1714.85	5.8314	0.0317	0.0	0.0	1.385-03	2.89F-02	2.00F-01	7.41F-01
		- 66	67	14245.95		1715.06	5.8307	0.0303	0.0	7.60E-04	1.37E-02	6.73E-02	1.77E-01	3.30F-01
9		49	50	20914.12		1715.31	5.8299	0.0303	0.0	1.95E-04	1.74E-02	2.24E-01	1.12E 00	3.29E 00
,,														

	٧u	VL	JU	J٤	LOWER	CODE	WAVE	WAVE	HALF .	******	** INTEGRATI			EFFICIENT *	*****
					STATE		NUMBER	LENGTH	WIDTH			CM*G			
					ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	Ţ = 2000	T = 2500	T = 3000	T = 3500
	3	2	70	71	13248.44		1715.94	5.8277	0.0303	0.0	1.58E-03	2.24E-02	9.56E-02	2 • 29E-01	3.97E-01
	1	0	78	79	11391.37		1715.97	5.8276	0.0303	2.79E-05	3.526-03	3.19E-02	1.04E-01	2.08E-01	3.19E-01
	11	10	39	40	23098.72		1716.00	5.8275	0.0303	0.0	2.30E-05	3.47E-03	6.12E-02	3.77E-01	1.29E 00
	10 7	9	44	45	21969.23		1716.15	5.8270	0.0303	0.0	7.03E-05	8.07E-03	1.21E-01	6.70E-01	2.12E 00
		- 6	58 74	- <u>59</u> - 75	18820.86		1716.16	5.8270	0.0303	0.0	1.35E-03	7.30E-02	6.96E-01	2.85E 00	7.25E 00
	6	5	57	58	16171.80		1716.24 1716.74	5.8267 5.8250	0.0303	0.0	2.79E-03	3.14E-02	1.17E-01	2.55E-01	4.16E-01
	13	12	28	29	25471.62		1717.03	5.8240	0.0303	0.0	1:54E-04 0:0	4.39E-03	2.85E-02	9 03E-02	1.92E-01
	6	5	62	63	17751.12		1718.19	5.8201	0.0303	0.0	3.48E-03	5.26E-04	1.31E-02	1.01E-01	4.07E-01
	8	7	53	54	19741.15		1718.76	5.8181	0.0303	0.0	5.82E-04	1.45E-01 3.92E-02	1.19F 00 4.27F-01	4.39E 00 1.91E 00	1.04E 01 5.18E 00
	-5	4	61	62	15070.55		1718.92	5.8176	0.0303	0.0	3.97E-04	8.70E-03	4.83F-02	1.37E-01	2.71E-01
	7	6	52	53	17131.43		1718.99	5.8174	0.0303	0.0	6.50E-05	2.33E-03	1.74F-02	6.05E-02	1.37E-01
	1	0	82	83	13104.36		1719.13	5.8169	0.0303	2.36E-04	6.77E-02	9.28E-01	3.89E 00	9.19F 00	1.58E 01
	12	11	33	34	24180.77	1	1719.40	5.8160	0.0321	0.0	0.0	1.46E-03	3.01F-02	2.06E-01	7.59E-01
	5	4	66	67	16726.89	1	1719.59	5.8153	0.0303	0.0	8.31E-03	2.72E-01	1.925 00	6.41E 00	1.42E 01
	2	1	78	79	13937.00		1720.14	5.8135	0.0303	1.356-04	5.78E-02	9.68E-01	4.57E 00	1.17E 01	2.14E 01
	4	3	70	71	15749.16		1720.38	5.8127	0.0303	0.0	1.81E-02	4.68E-01	2.87F 00	8.74E 00	1.81E 01
	9	8	48	49	20738.93		1720.41	5.8126	0.0303	0.0	2.27E-04	1.94E-02	2.44E-01	1.20E 00	3.48E 00
		3	65	66	14013.01		1720.50	5.8123	0.0303	0.0	9.39E-04	1.60E-02	7.61E-02	1.96E-01	3.59E-01
232	3	2	74	75	14818.89		1720.56	5.8121	0.0303	5.38E-05	3.52E-02	7.28E-01	3.90E 00	1.09E 01	2.11E 01
	$\frac{11}{10}$	10	38	39	22960.48		1720.74	5.8115	0.0303	0.0	2.57E-05	3.74E-03	6.48E-02	3.94E-01	1.33F 00
	13	12	43 27	28	21812.60		1721.07	5.8103	0.0303	0:0	8-01E-05	8.06E-03	1:30E-01	7.08E-01	2.22E 00
			- 69	70	25372.88		1721.58	5.8093	0.0379	0.0	0.0	5.47E-04	1.34E-02	1.03E-01	4.10F-01
	7	6	57	58	18611.44		1721.50 1721.57	5.8089 5.8087	0.0303 0.0303	0.0	1.99E-03	2.65E-02	1.09E-01	. 2.55E-01	4.36E-01
	i		77	78	11112.08		1721.78	5.8079	0.0303	4.13E-05	1.63E-03 4.55E-03	8.37E-02 3.86E-02	7.75E-01 1.21F-01	3.10E 00 2.36E-01	7.80E 00 3.55F-01
	6	5	56	57	15972.47		1721.90	5.8075	0.0303	0.0	1.83E-04	4.99E-03	3.15E-02	9.80E-02	2.05E-01
*******		<u>-</u>	73	74	12032.87		1721.92	5.8075	0.0303	2.08E-05	3.56E-03	3.76E-02	1.355-01	2.87E-01	4.59E-01
	6	5	61	62	17526.07		1723.73	5.8014	0.0303	0.0	4.26E-03	1.69E-01	1.34F 00	4.83E 00	1.13E 01
,	12	11	32	33	24064.08	1	1723.93	5.8007	0.0326	0.0	0.0	1.55E-03	3.145-02	2.12F-01	7.756-01
	7	6	51	52	16950.35	2	1723.98	5.8005	0.0303	0.0	7.61E-05	2.62F-03	1.90F-02	6.50E-02	1.46F-01
	8	7	52	53	19550.62	1	1724.00	5.8005	0.0303	0.0	6.88E-04	4.43E-02	4.69F-01	77.06E 00	5.52F 00
	5	4	60	61	14856.11	2	1724.20	5.7998	0.0303	0.0	4.815-04	I • 00E-02	5.395-02	1.50F-01	2.92E-01
	5	4	65		16486.06		1725.27	5.7962	0.0303	0.0	1.03E-02	3.19E-01	2.18E 00	7.11E 00	1.55E 01
	1_	<u> </u>	81	82	12799.33		1725.34	5.7960	0.0303	3.62E-04	9.00E-02	1.15E 00	4.60E 00	1.06E 01	1.78F 01
	11	10		38	22825.61		1725.46	5.7956	0.0303	0.0	2.86E-05	4.03E-03	6.84F-02	4 . I TE-01	1.38F 00
	<u>9</u> 13	<u> 25</u> .	47	48	20567.13		1725.47	5.7955	0.0303	0.0	2.62F-04	2.15E-02	2.64E-01	1.28F 00	3.67E 00
	1.5	12	26 64	27	25277.50		1725.69	5.7948	0.0398	0.0	0.0	5.66E-04	1.37F-02	1 . 04E-01	4.13F-01
	10	~~g	42	43	13783.34 21659.36		1725.91	5.7940	0.0303	0.0	1.16E-03	1.86F-02	8.58F-02	2 . 16E-01	3.90F-01
	10	3	69	70	15492.44		1725.96 1726.20	5.7939	0.0303	0.0	9.09E-05	9.70E-03	1.39E-01	7.47F-01	2.31E 00
		·~i ·	77	78	13648.17		1726.22	5.7931	0.0303	2.53E-05	2.29F→02	5.57E-01	3.29E 00	9.78E 00	1.99F 01
	3	2	73	74	14546.17		1726.51	5.7920	0.0303	2.02E-04 7.88E-05	7.56E-02 4.53E-02	1.18E 00 8.77E-01	5.35E 00 4.52E 00	1.33F 01	2.38E 01
	7		56	57	18405.41		1726.95	5.7906	0.0303	0.0	1.96E-03	9.57E-02	8.60F-01	1.23E 01	2.34E 01 8.38E 00
	6	5	55		15776.43		1727.02	5.7903	0.0303	0.0	2.18F-04	5.66F-03	3.48F-02	1.06F-01	2.19E~01
	<del>3</del> -	<u> </u>	68		12755.13		1727.04	5.7903	0.0303	0.0	2.48E-03	3.12E-02	1.24E-01	2.83E-01	7.77F-01
	1	0	76		10836.05		1727.57	5.7885	0.0303	6.08E-05	5.87F-03	4.66E-02	1.415-01	2.67E-01	3.94E-01
	2	1			11772,40		1727.59	5.7884	0.0303	2.99F-05	4.52E-03	4.49E-02	1.55E-01	3.22E-01	5.06E-01
	12	11			23950.76		1728.43	5.7856	0.0331	0.0	0.0	1.63E-03	3.26E-02	2.18E-01	7.89E-01
,	7	```~გ`	<b>"5</b> 0"	~5î	16772.57	2	1728.95	5.7839	0.0303	0.0	8.88F-05	2.93E-03	2.085-02	6.95E-02	1.54E-01
l—	8	7	51	52	19363.47		1729.21	5.7830	0.0303	0.0	8.10E-04	4.99F-02	5.14E-01	2.22E 00	5.87F 00
	6	5	60	61	17304.39		1729.26	5.7828	0.0303	0.0	5.20E-03	1.95E-01	1.50F 00	5.30E 00	1.22E 01
	5	4_	59	60	14644.96	2	1729.46	5.7822	0.0303	0.0	5.81F-04	1.15E-02	6.00E-05	1.64F-01	3.14E-01

### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

							MOLECULA			DIATOMIC M	DLECULES				
								CA	RBON MONOX	DE					
					LOWER			WAVE	HALF		TUTECHA?	ED ## 10000	PTION ** CO	ee forent v	-
	¥υ	VL.	JU	JŁ	STATE	CODE	NUMBER	LENGTH	WIDTH	******	** INTEGRAL	CM*G		FFICIENT F	
	<u>`</u>				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500		T = 2500	T = 3000	T = 3500
					CITCHOI		Qm 1	1140,1011	1144	. – 1000					
	<del></del>														
	13	12	25	26	25185.49	1	1729.97	5.7804	0.0418	0.0	0.0	5.84E-04	1.39F-02	1.05E-01	4 • 1 4E-01
	11	10	36	37	22694.13	1	1730.14	5.7799	0.0308	0.0	3.16E-05	4.33E-03	7.21E-02	4.275-01	1.42E 00
	, 9	8	46	47	20398.72	1	1730.51	5.7786	0.0303	0.0	3.03E-04	2.39E-02	2.86E-01	1.36F_00	3.87E 00
	10	9	41	42	21509.51	1	1730.83	5.7776	0.0303	0.0	1.03E-04	1.06E-02	1.49E-01	7.87E-01	2.41= 00
	5	4	64	65	16248.61	1	1730.93	5.7772	0.0303	0.0	1.28E-02	3.74E-01	2.46E 00	7.88E 00	1.68E 01
	4	3	63	64	13556.96	2	1731.30	5.7760	E0E0.0	0.0	1.425-03	2.16E-02	9.65E-02 5.43F 00	2.38F-01 1.21E 01	4.23E-01 2.00E 01
			80	81 69	12497.64	<u> </u>	1731.52	5.7753 5.7737	0.0303	5.54E-04 3.60E-05	1.19E-01 2.89E-02	1.41E 00 6.61E-01	3.77F 00	1.096 01	2.18E 01
	6	3 5	68 54	55	15239.10 15583.68	1 2	1731.99 1732.12	5•7733	0.0303	0.0	2.59E-04	6.41E-03	3.775 00	1.15E-01	2.34F-01
	2	1	76	77	13362.69	1	1732.28	5.7727	0.0303	3.02E-04	9.84F-02	1.44E 00	6.25E 00	1.51F 01	2.66E 01
	7	6	55	56	18202.77		1732.30	5.7727	0.0303	0.0	2.34E-03	1.09E-01	9.53E-01	3.67E 00	8.98E 00
		<u>ž</u> -		73	14276.81	- <del>i</del>	1732.43	5,7722	0.0303	1.15E-04	5.80E-02	1.05F 00	5.23E 00	1.38E 01	2.58E 01
	3	2	67	68	12513.40	2	1732.55	5.7718	0.0303	0.0	3.09E-03	3.67E-02	1.41E-01	3.15E-01	5.21E-01
	12	11	30	31	23840.83	1	1732.90	5.7707	0.0335	0.0	0.0	1.71E-03	3.37F-02	2.23E-01	8.02E-01
	2	1	71	72	11515.21	2	1733.23	5.7696	0.0303	4.27E-05	5.72E-03	5.34F-02	1.78F-01	3.61E-01	5.57E-01
V	1	0	75	76	10563.28	2	1733.34	5.7692	0.0303	8.91E-05	7.55E-03	5.62E-02	1.63F-01	3.0SE-01	4.37E-01
	7	6	49	50	16598.08	2	1733.89	5.7674	0.0303	0.0	1.03E-04	3.26E-03	2.26E-02	7.45E-02	1.63E-01
	13	12	24	25	25096.85	1	1734.22	5.7663	0.0437	0.0	0.0	6.00E-04	1.41F-02	1.066-01	4.14E-01
****	8	7	50	51	19179.72	1	1734-40	5.7657	0.0303	0.0	9.51E-04	5.60E-02	5.63E-01	2.38F 00	6.23F 00
233	5	4	58	59	14437.11	2	1734.69	5.7647	E0E0.0	0.0	6.99E-04	1.32E-02	6.68E-02	1.79E-01	3.38E-01
	6	5	59	60	17086.11		1734.75	5.7645	0.0303		6.32E-03	2.25E-01 4.63E-03	1.68E 00 7.57F-02	5.81F 00 4.44E-01	1.32E 01
	11	10	35 45	36 46	22566.05 20233.70	1 1	1734.79	5.7644 5.7620	0.0312	0.0	3.49E-05 3.48E-04	2.64F-02	3.09E-01	1.45E 00	4.07E 00
	<u></u>	<u>8</u> _	40	41	21363.06	<del></del>	1735.52 1735.66	5.7615	0.0303	0.0	1.16E-04	1.15E-02	1.586-01	7.27F-01	2.51F 00
	5	4	63	64	16014.55	î	1736.57	5.7585	0.0303	0.0	1.58E-02	4.37E-01	2.79E 00	8.71E 00	1.83F 01
	4	3	62	63	13333.88	<del></del>	1736.66	5.7582	0.0303	0.0	1.73E-03	2.50E-02	1.085-01	2.62E-01	4.58F-01
	6	5	53	54	15394.23	2	1737.20	5.7564	0.0303	0.0	3.05E-04	7.24E-03	4.21F-02	1.24E-01	2.50E-01
	12	11	29	30	23734.29	1	1737.34	5.7559	0.0340	0.0	0.0	1.80E-03	3.48E-02	2.28E-01	8.14E-01
	7	6	54	55	18003.52	1	1737.63	5.7550	0.0303	0.0	2.79E-03	1.24E-01	1.05F 00	3.99E 00	9.61E 00
	1	0	79	80	12199.31	1	1737.69	5.7548	0.0303	8.42E-04	1.57F-01	1.74E 00	6.39F 00	1.39E 01	2.24E 01
	4	3	67	68	14989.13	1	1737.76	5.7545	E0E0.0	5.10E-05	3.63E-02	7.82E-01	4.30E 00	1.22F 01	2.395 01
	3	2	66	67	12274.96	2	1738.05	5.7536	0.0303	0.0	3.84E-03	4.31E-02	1.60F-01	3.49E-01	5.68E-01
12	2	2	75	76	13080-58		1738.31	5.7527	E0E0.0	4.49E-04	1 - 28E-01	1.74E 00	7.29E 00	<u>l. 72E</u> 0 <u>1</u>	2.96E 01
	3	2	71	72	14010.82	1	1738.34	5.7526	0.0303	1.66F-04	7.40E-02	1.26E 00	6.03E 00 1.43E-02	1.56E 01 1.06E-01	2.85E 01 4.13E-01
1	13	12	23	49	25011.59 16426.90		1738.44	5.7523 5.7511	0.0457	0.0	0.0 1.19F-04	6.14E-04 3.63E-03	2.45F-02	7.95E-02	1.72E-01
	2	6	70	71	11261.30	2 2	1738.85	5.7509	0.0303	6.09E-05	7.21E-03	6.35E-02	2.04E-01	4.03E-01	6.12E-01
14	<u>-</u>	~~**	74	75		- <u>-</u> -	1739.08	5.7502	0.0303	1.30E-04	9.68E-03	6.75E-02	1.89E-01	3.40E-01	4.835-01
	11	10	34	35	22441.36	ī	1739.42	5.7490	0.0317	0.0	3.83E-05	4.93E-03	7.93E-02	4.59E-01	1.50E 00
			49	50	18999.38	<u>ī</u>	1739.56	5.7486	0.0303	0.0	1.11E-03	6.27E-02	6.14E-01	2.56F 00	6.60F 00
	5	4	57	58	14232.57	2	1739.90	5.7475	0.0303	0.0	8.39F-04	1.50E-02	7.41E-02	1.95E-01	3.63E-01
c	6	5	58	59	16871.22	1	1740.22	5.7464	0.0303	0.0	7.67E-03	2.60E-01	1.87E 00	6.35F 00	1.42E 01
_	10	9	39	40	21220.01	1	1740.47	5.7456	0.0303	0.0	1.30E-04	1.25E-02	1.68E-01	8.66E-01	2.61E 00
7	9	8	44	45	20072.09	1	1740.51	5.7454	0.0303	0.0	3.99E-04	2.91E-02	3.33E-01	1.53F 00	4.27E 00
4	12	11	28	29	23631.13	11	1741.75	5.7414	0.0359	0.0	0.0	1.87F-03	3.58E-02	2.32E-01	8.23E-01
	4	3	61	62	13114.11	2	1742.00	5.7405	0.0303	0.0	2.11E-03	2.90E-02	1.21E-01	2.87F-01	4.95E-01
3	5	4	62	63	15783.89	1	1742.18	5.7399	0.0303	0.0	1.95E-02	5.09E-01	3.14E 00	9.61E 00	1.99E 01
	6	5	52	53	15208.11	2	1742.25	5.7397	0.0303	0.0	3.59E-04	8.15E-03	4.62F-02	1.33E-01	2.65F-01
4	13	12	22	23	24929.71	1	1742.62	5.7385	0.0476	0.0	3.32E-03	6.26E-04	1.44F-02 1.16F 00	1.06E-01 4.32E 00	4.10E-01 1.03E 01
T	7	6 3	53 66	54 67	17807.68 14742.56	1	1742-93 1743-51	5.7375 5.7356	0.0303	7.18E-05	4.54E-02	9.23E-01	4.90E 00	1.36F 01	2.62E 01
,	<del>-</del>		65	66	12039.83	2	1743.52	5.7355	0.0303	2.76E-05	4.75E-03	5.04E-02	1.81E-01	3.86E-01	6.18E-01
	7	6		48	16259.04	2	1743.69	5.7350	0.0303	0.0	1.38E-04	4.02E-03	2.65E-02	8.47F-02	1.81E-01
			-7,				2								

VU	VL.	30	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT			EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	<del></del>
											1 = 2000	1 - 2500	1 = 3000	T = 3500
1	o	78	79	11904.34	1	1743.83	5.7345	0.0303	1.27E-03	2.07E-01	2.13E 00	7.51E 00	1 505 01	2 515 01
11	— <u>''ö</u>	33	34	22320.07		1744.01	5.7339	0.0321	0.0	4.19E-05	5.24E-03	8.28E-02	1.58E 01	2.51E 01
3	2	70	71	13748.23		1744.22	5.7332	0.0303	2.40E-04	9.42E-02			4.74E-01	1.54E 00
2	1	74	75	12801.85		1744.32	5.7329	0.0303	6.63F-04	1.65E-01	1.51F 00	6.94F 00	1.75E 01	3.15E 01
2	1	69	70	11010.69		1744.45	5.7325	0.0303	8.62E-05	9.07E-03	2.11E 00	8.47E 00	1.95E 01	3.29E 01
8	7	48	49	18822.44		1744.69	5.7317	0.0303	0.0	1.29E-03	7.52E-02	2.33E-01	4.50E-01	6.71E-01
1	ō	73	74	10027.60		1744.80	5.7313	0.0303	1.88E-04	· · · · · · · · · · · · · · · · · · ·	7.00E-02	6.69E-01	2.74E 00	6.98E 00
5	4	56	57	14031.34		1745.08	5.7304	0.0303	0.0	1.24F-02	8.09E-02	2.18F-01	3.83E-01	5.34E-01
10	9	38	39	21080.37		1745.24	5.7299	0.0303		1.00E-03	1.71E-02	8.21F-02	2 - 1 2E-01	3.89E-01
		43	44	19913.90		1745.46	5.7291		0.0	1.45E-04	1.35E-02	1.78E-01	9.06E-01	2.70E 00
6	5	57	58	16659.74		1745.67		0.0303	0.0	4 -55E-04	3.50E-05	3.57F-01	1.62E 00	4.47E 00
12	11	27	28	23531.37		1746.13	5.7285	0.0303	0.0	9.26E-03	2.98E-01	2.09E 00	6.94E 00	1.53E 01
13	12	21	22	24851.22			5.7270	0.0379	0.0	0.0	1.95F-03	3.67E-02	2.36E-01	8.31F-01
	รั	<del>- 51</del> -	52	15025.29		1746.78	5.7248	0.0496	0.0	0.0	6.35E-04	1.44E-02	1.05E-01	4.07E-01
^	3	60	61	12897.64		1747.27	5.7232	0.0303	0.0	4.21E-04	9.14E-03	5.05E-02	1.43E-01	S.85E-01
5	<u>`</u> 4	61				1747.32	5.7231	0.0303	0.0	2.56E-03	3.34F-02	1.36E-01	3.14E-01	5.34E-01
7	6	52	53	15556.63		1747.76	5.7216	0.0303	2.56E-05	2.39E-02	5.92F-01	3.54E 00	1.06E 01	2.16E 01
·	6	46	47	17615.26		1748.21	5.7201	0.0303	0.0	3.93E-03	1.59E-01	1.28E 00	4.66E 00	1.10E 01
				16094.49		1748.55	5.7190	0.0303	0.0	1.58F-04	4.44E-03	2.86E-02	9.00E-02	1.90E~01
11 1	10	32	33	22202.19		1748.58	5.7189	0.0326	0.0	4.56E-05	5.55E-03	8 • 63F-02	4.88E-01	1.57E 00
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2	64	65	11808.00		1748.96	5.7177	0.0303	3.80E-05	5.86E-03	5.88E-02	2.04E-01	4.26E-01	6.72E-01
	Ξ	65	66	14499.39		1749.23	5.7168	0.0303	1.01E-04	5.66E-02	1.09E 00	5.57E 00	1.51E 01	2.86E 01
8	7	47	48	18648.93		1749.79	5.7150	0.0303	0.0	1.50F-03	7.79E-02	7.26E-01	2.92E 00	7.37E 10
1	0	77	78	11612.75		1749.94	5.7145	0.0303	1.92F-03	2.71E-01	2.60E 00	8.80E 00	1.80E 01	2.81E 01
10	9	37	38	20944.14		1749.99	5.7143	0.0303	0.0	1.61E-04	1.45E-02	1.88E-01	9.45E-01	2.79E 00
	1	_68_	69	10763.38		1750.02	5.7142	0.0303	1.22E-04	1.14E-02	8.88E-02	2.66E-01	5.01E-01	7.35E-01
E	2	69	70	13489.02		1750.07	5.7141	0.0303	3.45E-04	1.19F-01	1.80F. 00	7.98F 00	1.96E 01	3.47E 01
5_	4	55	56	13833.44	2	1750.24	5.7135	0.0303	0.0	1.19E-03	1.95E-02	9.07E-02	2.30E-01	4.16E-01
2	1	73	74	12526.50	1	1750.31	5.7133	0.0303	9.75E-04	2.13E-01	2.55F 00	9.83E 00	2.20E 01	3.65E 01
9	8	42	43	19759.12		1750.39	5.7130	0.0303	0.0	5.17E-04	3.50E-02	3.83E-01	1.72E 00	4.67E 00
12	11	26	27	23435.02	1	1750.47	5.7128	0.0398	0.0	0.0	2.02E-03	3.75E-02	2.39E-01	8.36E-01
1	0	72	73	9764.71	2	1750.50	5.7127	0.0303	2.72E-04	1.57E-02	9.68E-02	2.51E-01	4.30E-01	5.89E-01
13	12	20	21	24776.12	i	1750.90	5.7113	0.0515	0.0	0.0	6.42E-04	1.44E-02	1.05E-01	4.01E-01
6	5	56	57	16451.68	1	1751.08	5.7108	0.0303	0.0	1.11E-02	3.42E-01	2.32E 00	7.57F 00	1.64E 01
6	5	50	51	14845.80		1752.27	5.7069	0.0303	0.0	4.92F-04	1.02E-02	5.51F-02	1.54E-01	2.995-01
4	3	59	60	12684.50	2	1752.61	5.7058	0.0303	0.0	3.10E-03	3.84E-02	1.51E-01	3.43E-01	5.75E-01
	10	Ĭī.	32	22087.72	1	1753.11	5.7041	0.0331	0.0	4.95E-05	5.86E-03	8.96E-02	5:02E-01	1.60E 00
5	4	60	61	15332.79	ı	1753.32	5.7035	0.0303	3.49E-05	2.93F-02	6.86E-01	3.97E 00	1.16E 01	2.34E 01
7	6	45	46	15933.27	2	1753.39	5.7032	0.0303	0.0	1.81E-04	4.90E-03	3.08F-02	9.55E-02	2.00E-01
7	6	51	52	17426.27		1753.46	5.7030	0.0303	0.0	4.64E-03	1.80E-01	1.40E 00	5.03F 00	
3	2	63	64	11579.50		1754.38	5.7000	0.0303	5.21E-05	7.20E-03	6+85E-02	2.30E-01	4.70E-01	1.17E 01
10	9	36	37	20811.34		1754.71	5.6989	0.0308	0.0	1.79F-04	1.56E-02	1.99E-01		7.29E-01
12	11	25	26	23342.06		1754.79	5.6987	0.0418	0.0	0.0	2.09E-03		9 • 84E-01	2.68F 00
8	7	46	47	18478.84	1	1754.87	5.6984	0.0303	0.0	1.74F-03		3.82E-02	2.41E-01	8.39E-01
7,24,244,474,474	÷	64	"65"	14259.63	~~ <u>~</u>	1754.92	5.6983	0.0303	1.40E-04	7.04E-02	8.65E-02 1.28E 00	7.87E-01	3.12E 00	7.77E 00
13	12	19	20	24704.41	1	1755.0C	5.6980	0.0535	0.0	0.0		6.32E 00	1.67E 01	3.12E 01
9		41	42	19607.77	- -	1755.29	5.6971	0.0303	0.0		6.45E-04	1.44E-02	1.03E-01	3.95E-01
5	4	54	55	13638.86		1755.38	5.6968			5.86E-04	3.83E-02	4.10F-01	1.81E 00	4.87E 00
· ·		67	68	10519.39		1755.57	5.6962	0.0303	0.0	1.42F-03	2.21E-02	9.99E-02	2.48E-01	4.44E-01
3	ż	68	69	13233.23	1	1755.90		0.0303	1.71E-04	1.42E-02	1.05F-01	3.02E-01	5.57F-01	8.04E-01
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	· ~~~~~	76	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	11324.54			5.6951	0.0303	4+92E-04	1.51E-01	2.14E 00	9.14E 00	2.19F 01	3.81E 01
•	0		72			1756.04	5.6946	0.0303	2.88E-03	3.53E-01	3.17F 00	1.03E 01	2.05E 01	3.13E 01
	1	71	73	9505.12		1756.17	5.6942	0.0303	3.90E-04	2.00E-02	1.15E-01	2.88E-01	4.82E-01	6.49E-01
	_			12254.55	1	1756.27	5.6939	0.0303	1.43E-03	2.738-01	3.06E 00	1.14F 01	2.48E 01	4.04E 01
6	5	55	56	16247.05	11	1756.47	5.6932	E0E0•0	0.0	1.34E-02	3.90E-01	2.57E 00	8.23E 00	1.76E 01

### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

						· ·		RBON MONOX	DE					<del></del>
~~ ~~ Vu	~vï	jü-	1;	TT L'OVERT	CODE "	WAVE	WAVE	HALF	******	** INTEGRATI	D ** ABSOR	ioš ** doite	FFFTCIENT *	*****
• • •	"		J.	STATE	COUL	NUMBER	LENGTH	WIDTH	, , , , , , , , , , , , , , , , , , , ,		CM*G	M-1		
				ENERGY		CM-1	MICRON	нг	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T, = 3500
6	5	49	50	14669.65	2	1757.25	5.6907	0.0303	0.0	5.73F-04	1.14F-02	6.00F-02	1.65E-01	3.16E-01
. ~ïı	``10	30	ʻäi``	~21976.67	i	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5.6895	0.0335	0.0	~~5.35E-05~	6.17E-03	9.28F-02	5 14F-01	1.63E 00
4	3	58	59	12474.70		1757.88	5.6887	0.0303	0.0	3.74E-03	4.40E-02	1.69E-01	3.75E-01	6.19E-01
. 7	ີ 6	44	45	15775.39		1758.20	5.6876	0.0303	0.0	2.07E-04	5.38E-03	3.316-05	1.01E-01	2.09F-01
7	6	50	51	17240.70	1	1758.68	5.6861	0.0303	0.0	5.45F-03	2.02F-01	1.54F 00	5.41E 00	1.24E 01
· ~ 5	4	_5°9	ີ 60	15112.37	1,	1758.85	5.6855	0.0303	4.72F-05	3.57E-02	7.93E-01	4.45E 00	1.28E 01	2.53F 01
13		18	19	24636.09		1759.06	5.6849	0.0552	0.0	0.0	6.45E-04	1.42F-02	1.02E-01	3.87E-01
12	ïi	24	25	23252.52	1	1759.07	5.6848	0.0437	0.0	0.0	2.14F-03	3.885-02	2.43E-01	8.40E-01
10		35	36	20681.96		1759.40	5.6838	0.0312	0.0	1.98E-04	1.67E-02	2.09F-01	1.02E 00	2.96F 00
Э	~ 2	62	63	11354.33		1759.78	5.6825	0.0303	7.10E-05	8.82F-03	7.95E-02	2.59F-01	5-17F-01	7.90E-01
8	. 7_	45	46	18312.18		1759.91	5.6821	0.0303	0.0	2.00E-03	9.57E-02	8.50E-01	3.31E 00	8.17E 00
9		40	41	19459.85		1760.16	5.6813	0.0303	0.0	6.60F-04	4.17E-02	4.37E-01	1.90E 00	5.07E 00
5	4.	53	, 54 .	13447.62		1760.49	5.6802	0.0303	0.0	1.685-03	2.505-02	1.10E-01	2.68E-01	4.73F-01
4		63	64	14023.30		1760.59	5.6799	0.0303	1.94F-04	8.71E-02	1.49E 00	7.15F 00	1.85E 01	3.40E 01
_ 2 3	1	66	67	10278.73		1761.09	5.6783	0.0303	2.38E-04	1.77F-02	1.23E-01	3.43F-01	6.18E-01	8.78E-01
		67	68	12980.85		1761.71	5.6763	0.0303	6.98E-04	1.90F-01	2.53E 00	1.05F 01	2.44F 01	4.18E 01
1	.0	70	.71	9248.86		1761.83	5.6759	0.0303	5.58F-04	2.52E-02	1.37E-01	3.30E-01	5.39F-01	7.13F-01
-~ 6		54	55	16045.84		1761.84	5.6759	0.0303	0.0	1.60E-02	4.44E-01	2.85F 00 9.58E-02	8.94E 00 5.25E-01	1.89E 01 1.65F 00
	1,0	29,	30	21869.04	****	1762.09	5.6751	04E040	0.0	5.75F-05	6.46F-03	1.20F 01	2.33E 01	3.49E 01
		75	76	11039.74		1762.11	5.6750	0.0303	4.29E-03	4.60E-01	3.85E 00			3.49E 01
<u>6</u>	. 5	48	49 72	14496.84		1762-19	5.6748	0.0303	0.0 2.07E-03	,6•64E-04 3•50E-01	1.27E-02 3.68E 00	6.51E-02	1.76E-01 2.80E 01	4.47E 01
7		71	44	11986.02		1762.21	5.6747	0.0303	0.0	2.35E-04	5.90E-03	3.55F-02	1.07E-01	2.19E-01
ïí3		43 17	-18	24571.17		1762.98	5.6722	0.0568	0.0	0.0	6.42E-04	1.405-02	9.976-02	3.77F-01
13	31	57	58	12268.22		1763.12	5.6718	0.0303	2.33E-05	4.49E~03	.5.04E-02	1.87E-01	4.08E-01	6.65E-01
```` îž	<b></b> .	23	~24″	23166.39		1763.33	5.6711	0.0457	0.0	0.0	2.20E-03	3.92E-02	2.44E-01	8.38E-01
7		49	50	17058.57		1763.87	5.6694	0.0303	0.0	6.38E-03	2.26E-01	1.68E 00	5.81F 00	1.31E 01
10	9	34	35	20556.01		1764.06	5.6687	0.0317		2.17E-04	1.78E-02	2.19E-01	1.06E 00	3.04F 00
- 5	á	58	59	14895.39		1764.35	5.6678	0.0303	6.36E-05	4.33E~02	9.15E-01	4.97E 00	1.40E 01	2.73F 01
~ ē		44	45	18148.97		1764.93	5.6659	0.0303	0.0	2.29E-03	1.06F-01	9.175-01	3.52€ 00	8.58E 00
9	8	39	40	19315.37		1765.00	5.6657	0.0303	0.0	7.42E-04	4.52E-02	4.64E-01	1.99E 00	5.26E 00
`ā		~6f	‴ć2^	11132.49		1765.15	5.6652	0.0303	9.64E-05	1.0BE-02	9.20E-02	"2.90E-01"	5.68E-01	8.55F-01
5	. 4	52	53	13259.72		1765.57	5.6639	0.0303	0.0	1.985-03	2.81E-02	1.21E-01	2.89E-01	5.04E-01
4	· 3	62	63	13790.39		1766.23	5.6618	E0E0.0	2.68E-04	1.08F-01	1.74E 00	8 08F 00	2.04F 01	3.69E 01
11		28	29	21764.84		1766.53	5.6608	0.0359	0.0	6.16E-05	6.75E-03	9.86E-02	5.35E-01	1.67E 00
2		65	66	10041.41		1766.60	5.6606	0.0303	3.31E-04	2.19E-02	1.44E-01	3.89F-01	6.84F-01	9.56E-01
		16	17	24509.65		1767.08	5.6591	0.0585	0.0	0.0	6.35E-04	1.38E-02	9.73E-02	3.67E-01
) 13 6	5	47	48	14327.37		1767.12	5.6589	0.0303	0.0	7.68E-04	1.41E-02	7.06F-02	1.87E-01	3.51E-01
6	5	53	54	15848.09	1	1767.18	5.6587	E0E0.0	0.0	1.90E-02	5.05E-01	3:15E 00	9.68E 00	2.02E 01
1	0	69	70 T	~ 6995.93		1767.46	5.6578	0.0303	7.93E-04	3.18E-02	1.63E-01	3.78€-01	6.08E-01	7.83E-01
3	2	66	67	12731.90	1	1767.49	5.6577	0.0303	9.87E-04	2.38E-01	3.00E 00	1.19E 01	2.72E 01	4.58E 01
12	1.1	22	23	23083.67	ì	1767.55	5.6575	0.0476	0.0	0.0	2.24F-03	3.95F-02	2.44E-01	8.33E-01
7	6	42	43	15469.65	2	1767.74	5.6569	0.0303	0.0	2.67E-04	6.45E-03	3.80E-02	1 - 1 3E-01	2.285-01
2		70	71	11720.90	1	1768-13	5,6557	0.0303	3.008-03	4.46E-01	4.40E 00	1.52E 01	3-14E 01	4.93F 01
1	0	74	75	10758.35		1768.15	5,6556	0.0303	6.36E-03	5.966-01	4.67E 00	1.40E 01	2.64E 01	3.88E 01
4	· " 3	56	57	12065.10		1768.34	5.6550	0.0303	3.08E-05	5.38E-03	5.75E-02	2.08E-01	4.44E-01	7.13E-01
10		33	34	20433.50		1768.69	5.6539	0.0321	0.0	2.38E-04	1.905-02	2.29E-01	1.09E 00	3.12E 00
7	6		49	16879.89		1769.04	5.6528	0.0303	0.0	7.44E-03	2.53E-01	1.83E 00	6.22E 00	1.39E 01
9	8	38	39	19174.33		1769.81	5.6503	0.0303	0.0	8.306-04	4.89E-02	4.92F-01	2.09E 00	5.46E 00
	4	57	58	14661.85		1769.83	5.6503	E0E0.0	8.52E-05	5.24E-02	1.05E 00	5.55E 00	1.53E 01	2.94E 01
		43	44	17989.20		1769.92	5.6500	0.0303	0.0	2.62E-03	1.16F-01	9.86F-01	3.73E 00	8.99E 00
J		60	61	10914.00		1770.50	5-6481	0.0303	1.30E-04	1.31E-02	1.06E-01	3.25E-01	6.22F-01	9.23E-01
5		51	52	13075.18	2	1770.63	5.6477	0.0303	0.0	2.32E~03	3.16E-02	1.32E-01	3.11E-01	5.35E-01

	°vů	ŶĹ	ĹΩ,	, ńř.,	ŢŎŸĒŔ	CODE	WĄVE	WAVE	HALF	*****	* INTEGRATE			किर्देशकार्य	******
					STATE		NUMBER	LENGTH	WIDTH			CM*GN			
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	τ = 3500
	11	10	27	28	21664.07	1	1770.94	5.6467	0.0379	0.0	6.56E-05	7 • 03E 03	1.01F-01	5.44E-01	1.69F 00
	~~13 `	12	15	16	24451.53	1	1771.04	5.6464	0.0591	0.0	0.0	6.25E-04	1.34Ê-02	7.44F-02	3.54F-01
	12	. 11	21	55	23004.38		1771.74	5.6442	0.0496	0.0	0.0	2.27F-03	3.97E-02	2.43E-01	9.265-01
	4	·· 3		62	13560.93		1771.85	5.6438	0.0303	3.68E-04	1.32E-01	2.03F 00	9.10£ 00	2.25E 0ī	4.01E 01
	6_	_5_	46	47	14161.26		1772.01	5.6433	0.0303	0.0	8.84E-04	1.56E-02	7.63F-02	1.99E-01	3.70F-01
	2	1	64	65	9807.43		1772.07	5.6431	0.0303	4.57F-04	2.71E-02	1.68E-01	4.390-01	7.57F-01	1.04F 00
4889 175	,	6. 5	41	42	15321.80		1772.47	5.6418	0.0303	0.0	3.01E-04	7.02F-03	4.05F-02	1.19E-01	2.38E-01
	1	0	52 68	53 69	15653.78		1772.49	5.6418	0.0303	2.30E-05	2.25F-02	5.71F-01	3.46F 00	1.05E 01	2.15E 01
*1 *** **	<del>-</del>	2	-65	-66	8746.33 12486.39		1773.06	5.6400	0.0303	1.12F-03	3.99E-02	1.93E-01	4.32F-01	.6.71F-01	8.59F-01
	10	9	32	33	20314.43		1773.29	5.6394 5.6392	0.0303 0.0326	1.39E-03 0.0	2.98F~01	3.53F 00	1.36E 01	3.03F 01	5.01E 01
	4	3	-55	56	11865.33		1773.53	5.6385	0.0328	4.04E-05	2.59E-04 6.42E-03	2.01F-02 6.54E-02	2.38F-01 2.30F-01	1.13E 00 4.92E-01	3.19F 00 7.63F-01
	2	1	69	70	11459.21	1	1774.02	5.6369	0.0303	4.32E-03	5.67E-01	5.26E 00	1.74F 01	3.52E 01	5.43E 01
177,124	````	ō	73	74	10480.37	1	1774.18	5.6364	0.0303	9.38E-03	7.70E-01	5.646 00	1.63F 01	12.99E 01	4.31E 01
	7	6	47	48	16704.66		1774.18	5.6364	0.0303	0.0	8.65E-03	2.82E-01	1.99F 00	6.65E 00	1.47E 01
	9	8	37	38	19036.74	1	1774.59	5.6351	E0E0.0	0.0	9.25E-04	5.28F-02	5.21F-01	2.19E 00	5.64E 00
_	8	7_	42	43	17832.88		1774.89	5.6342 ,	0.0303	0.0	2.98E-03	1.27E-01	1.06F 00	3.94E 00	9.40F 00
	13	12	14	15	24396.82		1774.98	5.6339	0.0597	0.0	0.0	6.10E-04	1.30E-02	9.10F-02	3.41E-01
5.50, 204.	5	4 م	56	_57	14471.76		1775.29	5.6329	0.0303	1.14E-04	6.32F-02	1.21F 00	6.18F 00	1.67E 01	3.16E 01
2361	1 i	10	26	27	21566.74		1775.33	5.6328	0.0398	0.0	6.96E-05	7.29E-03	1.03F-01	3.52F-01	1.70E 00
<del></del>	<del>5</del> -	4 2	50	51	12893.99		1775.66	5.6317	0.0303	0.0	2.72F-03	3.54F-02	1.44E-01	3.34E-01	5.67E-01
			59	60	10698.87		1775.83	5.6312	0.0303	1.75F-04	1.59E-02	1.55E-01	3.630-01	6.81E-01	9.95F-01
	12	11	20 45	21 46	13998.51		1775.90	5.6309	0.0515	0.0	0.0	2.30E-03	3.97F-02	2.41E-01	8.15F-01
	7	6	40	41	15177.32		1776.88	5.6278	0.0303	0.0	1.01E-03	1.72E-02	8.25E-05	2-12F-01	3.88E-01
4 1475 19	in was might	š	``60	~~i~~	13334.93		1777.17	5.6269 5.6260	0.0303	0.0	3.38F-04	_7.63F-03	4 31F-02	1.246-01	2.47E-01
	2	ī	63	64	9576.80		1777.53	5.6258	0.0303 0.0303	5.02E-04 6.28E-04	1.62E-01 3.33F-02	2.36E 00	i ože či	2.48F 01	4.34F 01
	<del>-</del>	<del>(</del> 5	·-ŝi	52	15462.93		1777.77	5.6250	0.0303	2.98F-05	3.99E-05	1.96F-01 6.45E-01	4.95E-01	8.35E-01 1.13E 01	1.13E 00 2.29E 01
	10	9	31	32	20198.81	ī	1777.86	5.6247	0.0331	0.0	2.825-04	2.12F-02	2.48F-01	1.16E 00	3.25F 00
*****	1		67	68	8500.09	2	1778.64	5.6223	0.0303	1.58E-03	5.00E-02	2.12F-01	4.92F-01	7.47E-01	9.40E-01
	4	3	54	55	11668.92	2	1778.70	5.6221	0.0303	5.28F-05	7.63E-03	7.43F-02	2.53F-01	5.22F-01	8.15F-01
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	13	"î 2	~ 13°	14	24345.52	1	1778.87	5.6215	0.0604	0.0	0.0	5.92E-04	1.25F-02	6.73E-02	3.266-01
	3	_2	64	65	12244.32		1778.97	5.6212	0.0303	1.94E-03	3.71E-01	4.15F 00	1.54F 01	3.36E 01	5.47E 01
•	7		46	47	16532.89	1	1779.29	5.6202	0.0303	0.0	1.00F-02	3.13E-01	2.16F 00	7.10F 00	1.55E 01
	9		36	37	18902.61	1	1779.35	5.6200	0.0308	0.0	1.03F-03	5.685-02	5-49E-01	2.27E 00	5.82E 00
	11	10	25	26	21472.84		1779.68	5.6190	0.0418	0.0	7.36E-05	7.53E-03	1.05F-01	5.57F-01	1.71F 00
per a resident sper-	<u>8</u>	·~ (	68	42	17680.03		1779.82	5.6185	0.0303	0.0	3.38F-03	1.39F-01	1.3E 00.	4.15E 00	9.81E 00
	12	11	19	69 20	11200.97		1779.88	5.6184	0.0303	6.19E-03	7.18E-01	6.26F 00	2.00E 01	3.95E 01	5.98F 01
		·-••	<del></del>	73	10205.84		1780.18	5.6179 5.6174	0.0535	0.0	0.0	2.31E-03	3.95E-02	2.38F-01	8.02F-01
	5	4	49	50	12716.17		1780.67	5.6159	0.0303	1.38E-02	9.91F-01 3.17E-03	6.81E 00 3.96E-02	1.89F 01 1.57F-01	3.38E 01	4.78E 01
	5	4	55	56	14265.13		1780.71	5.6157	0.0303	1.51E-04	7.60F-02	1.38E 00	6.86E 00	3.58E-01 "1.81F "01"	6.01E-01 3.39F 01
_	3	2	58	59	10487.10		1781.13	5.6144	0.0303	2.34E-04	1.92E-02	1.40E-01	4.04E-01	7.44E-01	1.07F 00
7	6.	5	44	45	13839.13		1781.72	5.6126	0.0303	770.0	~1.16E-03	1.90E-02	8 84E-02	2.24F-01	4.07E-01
A	7	6	39	40	15036.20	2	1781.85	5.6121	0.0303	0.0	3.78F-04	8.26E-03	4.57E-02	1.30F-01	2.56F-01
·——	10	ĝ.	`` 3o`	31	20086.64	<u>i</u>	1782.40	5.6104	0.0335	0.0	3.05F-04	2.24F-02	2.57F-01	1.195 00	3.31E 00
5	_13	12	1,2	13	24297.62		1782.74	5.6093	0.0610	0.0	0.0	5.71E-04	1.205-02	8.32E-02	3.09E-01
	_ 2	1		63	9349.53		1782.96	5.6087	0.0303	8.59F-04	4.09E-02	2.28F-01	5.58F-01	9.19E-01	1.23E 00
4	4	3	<u>. 59</u> .	60	13112.37		1783:01	5.6085	0.0303	6.82F-04	1.98E-01	2.73E 00	1.15E 01	2.72E 01	4.70E 01
	6	5	50	51	15275.54		1783.03	5, 6084	0.0303	3.83E-05	3-14E-02	7.27F-01	4.17E 00	ำ เรือรัฐ "ดีเก็	2.44E,01
3 <u></u>	4	3	53	54	11475.88		1783.84	5 • 6 0 5 9	0.0303	6.86F-05	9.05E-03	E.40E-02	2.798-01	5.64E-01	8.70E-01
	11	10	24	25	21382.39	-	1784.00	5.6054	0.0437	0.0	7.73E-05	7.75E-03	1.07E-01	5.61F-01	1.71F 00
•••			35_	36	18771.94	1	1784.07	5.6052	0.0312		1.14E-03	6.08E-05	5.78E-01	2.36F.00	6.00F 00

								CA	RBON MONOX	DE					
									<u> </u>			***		j	,
	VÜ	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT			EFFICIENT *	*****
					STATE		NUMBER CM-1	. LENGTH	WIDTH	T = 1000	T = 1500	,CM*G T = 2000	T = 2500	000E = T	T = 3500
					ENERGI		CM-1	MICRON	H2	T = 1000	, - 1500 F	1 - 2000	1 - 2500	1 = 3000	1 = 3500
				•••	00707.05			5 4050	2.2552						7 065 01
٠.	. 12	11	<u>18</u> _	19 67	22787.05 8257.20		1784.12	5.6050	0.0552	0.0 2.21E-03	0.0 6.23E-02	2.31E-03 2.68E-01	3.91E-02 5.59F-01	2.35F-01 8.30E-01	7.86E-01 1.03E 00
	1.	. 6	45	46	16364.60		1784.20	5.6048	0.0303 0.0303	0.0 2.21E-03	1.15E-02	3.47F-01	2.33F 00	7.56E 00	1.63E 01
	- ~ໍ່ສໍາ	5.	63	-64	12005.71		1784.68	5.6032	0.0303	2.70F-03	4.60E-01	4.87E 00	1.75E 01	3.72E 01	5.96F 01
	8	7	40	41	17530.64		1784.72	5.6031	0.0303	0.0	3.82E-03	1.52E-01	1.21E 00	4.37F 00	1.02F 01
**	5	4	48	49	12541.73		1785.65	5.6002	0.0303		3.685-03	4.41E-02	1.71F-01	3.85E-01	6.35E-01
	2	1	67	68	10946.18		1785.72	5.6000	0.0303	8.83F-03	9.06E-01	7.44E 00	2.29E 01	4.41E 01	6.57F 01
•	5	4	54	``\$5 '	14061.97		1786.11	5.5988	0.0303	1.99E-04	9.09E-02	1.57E 00	7.60E 00	1.97F 01	3.64E 01
	1	0	71	72	9934.75	1	1786.15	5.5986	0.0303	2.01F-02	1.27F 00	8.19F 00	2.18F 01	3.81E 01	5.29E 01
	3	_ 2_	57	58	10278.70	2	1786.40	5.5978	0.0303	3.11E-04	2.31E-02	1.61E-01	4.50E-01	8.11E-01	1.15E 00
	. 7	_ 6_	38	39	14898.44		1786.50	5.5975	0.0303	0.0	4.22E-04	8.91E-03	4.84F-02	1.36F-01	2.65E-01
	6	~ 5°	43	44	13683.11		1786.54	5.5974	0.0303	0.0	1.32E-03	2.08E-02	9.49E-02	2.37E-01	4.25E-01
	13	12	11	12	24253.14		1786.57	5.5973	0.0617	0.0	0.0	5.45F-04	1.14F-02	7.86E-02	2.91F-01
	10	9	29	30	19977.94		1786.90	5.5963	0.0340	0.0	3.285-04	2.35E-02	2.65E-01	1.21E 00	3.36E 00
	12	11	17	18	22721.46		1788.19	5.5922	0.0568	0.0		2.30E-03	_3.86F-02	2.30E-01	7.67E-01
	6	5	49	50	15091.63		1788.26	5.5920	0.0303	4.90F-05	3.68E-02	8.16F-01	4.56F 00	1.31E 01	2.59E 01
	11	10	_23_	24	21295.39		1788-29	5.5919	0.0457	0.0	8.09E-05	7.94E-03	1 • 0.5F-01	5.63F-01	1.70F 00
	z	1	61 58	62 59	9125.64	2	1788.37	5.5917	0.0303	1.17F-03	5.00E-02	2.64F-01	6.26E-01	1.01F 00	1.33E 00
	~	,.₃ ,.,	34	35	12893.29		1788.55	5.5911 5.5904	0.0303	9.21E-04 0.0	2.41E-01 1.25E-03	3.15E 00 6.50E-02	1.28E 01 6.06F-01	2.98E 01	5.07E 01 6.16E 00
	å	3	52	53	11286.22		1788.96	5.5898	0.0303	8.86E-05	1.07E-02	9.48F-02	3.06E-01	6.08E-01	9.26E-01
-		~~ <del>~</del> ~~	- 44-	- 45 	16199.77		1789.42	5.5884	0.0303	0.0	1.33E-02	3.84E-01	2.52E 00	8.03E 00	1.71E 01
	8	7	39	40	17384.73		1789.60	5.5878	0.0303	0.0	4.29F-03	1.65F-01	1.28E 00	4.59E 00	1.06E 01
	٠,	o ·	65	66	8017.69		1789.74	5.5874	0.0303	3.086-03	7.74E-02	3.14E-01	6.34F-01	9.20E-01	1.125 00
	3	2	62	63	11770.57		1790.36	5.5855	0.0303	3.73F-03	5.69E-01	5.69F 00	1.98E 01	4.12E 01	6.49E 01
• •	133	12	10	ii i	24212.08		1790.37	5.5854	0.0625	0.0	0.0	5.16E-04	1.07F-02	7.37E-02	2.72F-01
	5	4	47	48	12370.66		1790.60	5.5847	0.0303	2.10F-05	4.26E-03	4.90F-02	1.85E-01	4.08E-01	6.69E-01
	7	6-	37	38	14764.06		1791.12	5.5831	0.0303	7.0.0	4.69E-04	~ 9.59E-03	5.11E-02	1.42E-01	2.74F-01
	6	5	42	43	13530.48	2	1791.33	5.5824	0.0303	0.0	1.50E-03	2.28F-02	1.02E-01	2.50E-01	4.44E-01
·	-10 î	9	~2ê	29	19872.69	1	1791.38	5.5823	0.0359	0.0	3.51E-04	2.45E-02	2.73E-01	1.24F 00	3.40E 00
	5	4	53	54	13862.29	1	1791.49	5.5819	0.0303	2.61F-04	1.08E-01	1.79E 00	8.40E 00	2.14E 01	3.89E 01
44.0	2,	ĩ	<b>~66</b>	67	10694.85		1791.54	5.5818	0.0303	1.25E-02	1.14E 00	8.81E 00	2.627 01	4.92E 01	7.20F 01
	3	2	56	57	10073.68		1791.65	5.5814	0.0303	4.11E-04	2.77F-02	1.84E-01	4.99E-01	9.82F-01	1.24E 00
	. 1.	0	70	71	9667.11	1 1 -	1792.10	5.5800	0.0303	2.92E-02	1.63E 00	9.82E 00	2.52E 01	4.29E 01	5.85E 01
	12	. 11	16	17	22659.31	1	1792.22	5.5797	0.0585	0.0	0.0	2.28E-03	3.79E-02	2.24E-01	7.46E-01
	"îı"	10	22	23	21211.84	1	1792.54	5.5787	0.0476	0.0	8.426-05	8.10E-03	1.095-01	5, • 64 F-0 1	1.70E 00
1944	. 9.	<u> 8</u>	33	34	18521.00	4 toma water	1793.43	5.5759	0.0321	0.0	1.375-03	6.92E-02	.6.34E-01	2.52E 00	6.32E 00
	6	<u>"</u> 5"	48	49	14911.20		1793.46	5.5758	0.0303	6.24F-05	4.30F-02	9.13E-01	4.98E 00	1.40F 01	2.74E 01
	2	1 3	. <u>60</u>	- 61 52-	8905.12 11099.95		1793.75	5.5749	0.0303	1.58F-03	6.09E-02	3.06E-01	7.01E-01 3.36F-01	1.11F 00 6.55E-01	1.43E 00
	4	3	57	52 58	12677.69		1794.05 1794.07	5.5739	0.0303 0.0303	1.246-04	2.92F-01	1.07E-01 3.63E 00	1.44E 01	3.26E 01	9.85F-01 5.47E 01
	<u>13</u> ′	12		-10	24174.43		1794.14	5.5737	0.0503	0.0	0.0	4.83F-04	9.98E-03	6.836-02	2.52E-01
	8	7	38	39	17242.29		1794.45	5.5727	0.0303	0.0	4.81E-03	1.79E-01	1.365 00	4.80F 00	1.10E 01
~	<del></del> 7-	·"~;~	~~~~~	~ <del>~</del> ~	16038.43	i	1794.45	5.5727	0.0303	0.0	1.52E-02	4.23E-01	""ž̇̃į̇̃ži̇̀Ḟ̀̇̇̃̇̃óó"'	8.51E 00	1.80E 01
	i	ő	64	65	7781.55		1795.25	5.5703	0.0303	4.27F-03	9.59F-02	3.68E-01	7.17E-01	1.02F 00	1.22E 00
	<u>-</u>	<del>-</del>	46	- <del>47</del>	12202.98		1795.53	5.5694	0.0303	2.62E-05	4.91E-03	5.43E-02		4.34F-01	7.04E-01
	7	6	36	37	14633.06		1795.71	5.5688	80E0.0	0.0	5.19E-04	1.03F-02	5.385-02	1.47F-01	2.82F-01
•••	10	9	27		19770.91	1 ·	1795.83	5.5685	0.0379	ō.ŏ	3.75F-04	2.565-02	2.80F-01	1.26E 00	3.43E 00
	3	2	61	62	11538.91	1	1796.01	5.5679	0.0303	5.13F-03	7.01E-01	6.64F 00	2.23E 01	4.54E 01	7.05F 01
	6	***S	41	42	13381.23	2	1796.09	5.5676	0.0303	Ö.Ö	1.69F-03	2.48E-02	1.0eF-01"	2.63E=01	4.63E-01
	12	11	15_	16	22600.61	1	1796.22	5.5672	0.0591	0:0	0.0	2.24E-03	3.70E-02	2.18F-01	7.216-01
	`1 <b>T</b>	10	21	22	21131.74		1796.77	5.5655	0.0496	0.0	8.71E-05	8.23F-03	1.10E-01	5.62E-01	1.68E 00
	5	4	52	53	13666.09	1	1796.83	5.5654	0.0303	3.40E-04	1.29E-01	2.03E 00	9.26F 00	2.31E 01	4.15F 01

.

	VÜ	VĽ	Ju	JĽ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*******	* INTEGRATE	D ** ABSOR		FFTCTFNT *	****
					ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	3	2	55	56	9872.04	2	1796.88	5.5652	0.0303	5.41E-04	3.31F-02	2.10E-01	5.53F-01	9.59E-01	1.32E 00
	2	1	65	66	10446.99	1	1797.33	5.5638	0.0303	1.76F-02	1.43E 00	1.04E 01	2.9 E 01	5:49F 01	7.89E 01
	13	12	8	9	24140.20	. 1	1797.87	5.5621	0.0624	0.0	0.0	4.46E-04	9.18E-03	6.27F-02	2.31E-01
	1	Ö	69	70	9402.94	1	1798.03	5.5616	0.0303	4.22E-02	2.07E 00	1.17E 01	2.90F 01	4.82E 01	6.45E 01
	9		32	33	18400.75	1	1798.07	5.5615	0.0326	0.0	1.50E-03	7.34E-02	6.61E-01	2.60E 00	5.46F 00
	6	5	47	48	14734.27	1	1798-63	5.5598	0.0303	7.91F-05	5.00E-02	1.02E 00	5.42F 00	1.50E 01	2.90E 01
	2	1	59	60	8687.99	2	1799.11	5.5583	0.0303	2.13F-03	7.40E-02	3.53E-01	7.84E-01	1.21F 00	ì.55E 00
	4	3	50	51	10917.06	2	1799.11	5.5583	0.0303	1.46E-04	1.47F-02	1.20E-01	~~3.67F—0`i`	7.04E-01	1.05E 00
	8	7	37	38	17103.34	1	1799.27	5.5578	0.0303	0.0	5.376-03	1.93E-01	1.44E 00	5.02F 00	1.14F 01
	7	6	42	43	15880.58	1	1799.45	5.5573	0.0303	0.0	1.73F-02	4.64F-01	2.91E 00	9.00€ 00	1.68E 01
	4	3	56	57	12465.57	1	1799.56	5.5569	0.0303	1.65E-03	3.53F-01	4.17E 00	1.60F 01	3.56E 01	5.89E 01
	12	11	14	15	22545.34	1	1800.18	5.5550	0.0597	0.0	0.0	2.19E-03	3.59F-02	2.10E-01	6.93F-01
	10	9	26	27	19672.59	1	1800.25	5.5548	0.0398	0.0	3.98E-04	2.65F-02	2.87F-01	1.29F 00	3.46F 00
	7	6	35	36	14505.45		1800.28	5.5547	0.0312	0.0	5.72E-04	1.10F-02	ั‴ร์∙65ี่€−ั02	1.53E-01	2.90F-01
	5	4	45	46	12038.69	2	1800.43	5.5542	0.0303	3.26E-05	5.64F-03	6.00E-02	2.16F-01	4.61E-01	7.40E-01
	1	0	63	64	7548.79		1800.74	5.5533	0.0303	5.89F-03	1.18E-01	4.29E-01	8.10F-01	" 1.12E 00	1.33F 00
	6	5	40	41	13235.37	2	1800.83	5.5530	0.0303	0.0	1.90E-03	2.70F-02	1.15F-01	2.768-01	4.81F-01
	11	10	20	21	21055.10		1800.96	5.5526	0.0515	0.0	8.97F-05	8.32E-03	1.10E-01	5.58F-01	1.66E 00
	13	12	7	8	24109.38	1	1801.57	5.5507	0.0623	0.0	0.0	4 - 06E-04	8.32F-03	5.67E-02	2.08E-01
N	3	2	60	61	11310.73		1801.64	5.5505	0.0303	7.03E-03	8.61E-01	7.72E 00	2.51E 01	5.00F 01	7.64E 01
238	3	2	54	55	9673.80		1802.08	5.5491	0.0303	7.08E-04	3.94E-02	2.38E-01	6.10F-01	1.04E 00	1.42E 00
	5	4	-5T	52	13473.39		1802.15	5.5489	0.0303	4.41F-04	1.535-01	2.30E 00	1.02F 01	2.50E 01	4.43F 01
	9	8	31	32	18283.98	1	1802.67	5.5473	0.0331	0.0	1.63E-03	7.76E-02	6.89E-01	2.63F 00	6.59E 00
	2	1	64	65	10202.62	1	1803.10	5.5460	0.0303	2.48F-02	1.78E 00	1.22E 01	3.39F 01	5.09E 01	9.62F 01
	6	5	46	47	14560.82		1803.78	5.5439	0.0303	9.96F-05	5.805-02	1.135 00	5.88F 00	1 .60E 01	3.06F 01
	<u>1</u>	ō	38	69	9142.25		1803.93	5.5435	0.0303	6.07E-02	2.63E 00	1.40F 01	‴ 3.33e 01"	`5.40F 01'	7.11E 01
	8	7	36	37	16967.88	1	1804.05	5.5431	0.0308	0.0	5.97E-03	2.08E-01	1.52E 00	5.23E 00	1.18F 01
****	īž	<u> </u>	13	14	22493.51	1	1804-12	5.5429	0.0604	0.0	0.0	2.13E-03	3.46F-02	72.02E-01	6.63E-01
	4	3	49	50	10737.57	ž	1804.15	5.5428	0.0303	1.85F-04	1.72E-02	1.34F-01	4.00E-01	7.55F-01	1.11E 00
	7	6	41	42	15726.23		1804.42	5.5419	0.0303	0.0	1.96F-02	5.08E-01	3.12F 00	9.49E 00	1.96F 01
	2	1	58	59	8474.25		1804.44	5.5419	0.0303	2.86F-03	8,96E-02	4.06F-01	8.75F-01	1.336 00	1.67F 00
	10		25	~ <del>2</del> 6~	19577.75	<u></u>	1804-64	5.5413	0.0418	0.0	4.21E-04	74E-07	"~2.93E-0i"	1.29F 00'	3.47E 00
	7	6	34	35	14381.22	2	1804.81	5.5407	0.0317	0.0	6.28E-04	1.17E-02	5.91F-02	1.58E-01	2.98F-01
·		· 3	55°	56	12256.95		1805.02	5.5401	0.0303	2.20E-03	4.24E-01	4.778 00	7.78F 01	3.88E 01	6.33F 0t
	11	10	19	20	20981.92		1805.13	5.5398	0.0535	0.0	9.18E-05	8.37F-03	1.09E-01	5.52F-01	1.64E 00
/	13	<u>12</u> -	<u>-</u>	7	24081.99		1805.24	5.5394	0.0620	0.0	0.0	3.63F-04	7.4 IE-03	5.03E-02	1.84F-01
	5	4	44	45	11877.80		1805.31	5.5392	0.0303	4.02E-05	6.45F-03	6.61E-02	2.33E-01	4.89F-01	7.76F-01
	6	<u>-</u> -	39	40	13092.91		1805.54	5.5385	0.0303	0.0	2.136-03	2.92F-02	1.23F-01	7 90E-01	4.99F-01
	1	ō	62	63	7319.43		1806.20	5.5365	0.0303	8.08F-03	1.45E-01	5.00F-01	9.13F-01	1.24F 00	1.44F 00
*	`~_9	^ 8	30	31	18170169		1807.25	5.5333	0.0335	0.0	1.76E-03	8.176-02	7.13F-01	" 2.75F ñō	6.71E 00
	3	2	59	60	11086.05		1807.25	5.5333	0.0303	9.57E-03	1.05E 00	8.95F 00	2.92F 01	5.50E 01	3.77E 00
	<u>-</u> -		53	54	9478.96		1807.26	5.5332	0.0303	9.23E-04	4.68E-02	2.70E-01	6.73F-01	1.12E 00	1.51F 00
	5	4	50	51	13284.19	-	1807.44	5.5332	0.0303	5.70E-04	1.80E-01	2.59F 00	1.12F 01	2.69F 01	4.71E 01
	12	11	12	TÊT	22445.13		1808.02	5.5309	0.0503	0.0	0.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3.31E-02	1.925-01	5.29E-01
	8	7	35	36	16835.92		1808-81	5.5285	0.0312	0.0	6.60E-03	2.05E-03	1.60E 00	5.44F 00	1.21E 01
	2	- i	63	64	9961.74		1808-84	5.5284	0.0303	3.45E-02	2.22E 00	1.44E 01		6.75F 01	9.40E 01
	13	12	5	6	24058.02	•							3.95F 01		
	6	- 16	~ <b>4</b> 5	46	14390.88	· - <u>î</u>	1808.87 1808.90	5.5283 5.5282	0.0617	0.0	0.0	3.17F-04	6.45F-03	4.37F-02	1.60E-01
	-	9		25					0.0303	1.25E-04	6.70F-02	1.26E 00	6.37E 00	1.71E 01	7.42F 01
	10	·	24		19486.39		1808.99	5.5279	0.0437	0.0	4 + 43E-04	2.82F-02	2.975-01	1.30F 00	3.48F 00
			48		10561.49		1809.17	5.5274	0.0303	2.35E-04	2.00F-02	1.49F-01	4.35F-01	3.07€-01	1.17F 00
	11	10	16	19	20912.20	1	1809.26	5.5271	0.0552	0.0	9.35E-05	8.38F-03	1.08E-01	5.44E-01	1.608 00
	7	6	33		14260.39		1809.32	5.5269	0.0321	0.0	6.86E-04	1.24F-02	6.17E-02	1.635-01	7.05E-01
	7_	6	+0	41	15575.37	1	1809.36	5.5268	0.0303	2.34E-05	2.22F-02	5.54E-01	_ 3.33F 00	9.998 00	2.04F_01

• • • • • • • • • • • • • • • • • • •	ÎŶĹ	ັ່ງໄປ້	"JL"	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRATE	D ** ARSORI	TÍOÑ ** CO	FFICIENT *	****
				STATE		NUMBER	LENGTH	WIDTH			ÇM*G!			
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
											,			
	_													· · · · · · · · · · · · · · · · · · ·
2	· / · 📆	57	<u>, 58,</u>		2	1809.75	5.5256	0.0303	3.81F-03	1.08E-01	4.65E-01	9.74E-01	1.45F 00	1.79E 00
			68			1809.81	5.5254	0.0303	8.68E-02	3.32F 00	1.67E 01	3.82E 01	6.04E 01	7.82F 01
	. 4	. 43	_ 44.	11720.32		1810.16	5.5244	0.0303	4.95F-05	7.35E-03	7.26E-02	2.50F-01	5-18E-01	8.12E-01
6	Š	38	39	12953.84		1810.22	5.5242	0.0303	0.0	2.38E-03	3.16E-02	1.30F-01	3.03E-01	5.17E-01
. 4	3_	54	. 55	12051-84		1810.46	5.5235	0.0303	2.91E-03	5.09F-01	5.45E 00	1.97E 01	4.23E 01	6.79F 01
1		61	62	7093.47		1811.64	5.5199	0.0303	1.10E-02	1.78E-01	5.80E-01	1.03F 00	1.36E 00	1.56E 00
9	. 8	, 29	30	18060.90	1	1811.79	5.5194	0.0340	0.0	1.90E-03	8.58E-02	7.37E-01	2.81F 00	6.82E 00
12	11	11	12	22400.19		1811.88	5.5191	0.0617	0.0	0.0	"î.96E-"Ö3 "	3.14F-02	1.82E-01	5.93E-01
3	. 2	_ 52 _	53 5	9287.54	2	1812.41	5.5175	0.0303	1.20E-03	5.54E-02	3.05E-01	7-40E-01	1.21E 00	1.61E 00
13		¯ 4 °		24037.46	1	1812.47	5.5173	0.0614	0.0	0.0	2.69E-04	5.45E-03	3.69F-02	1.35E-01
5	4	49	50	13098.50	1	1812.71	5.5166	0.0303	7.31F-04	2.11E-01	2.91E 00	1.22F 01	2.90E 01	5.00E 01
ĭ / / ¨ ¨ ¨ ï 3¨	2	~58°	59	10864.87	1	1812.82	5.5163	0.0303	1.30E-02	1.28E 00	1.04E 01	3.16E 01	6.04F 01	8.94E 01
10	ຸ 9ຸ	23	24	19398.52	1	1813.31	5.5148	0.0457	0.0	4.64E-04	2.89F-02	3-01F-01	1.31E 00	3.47E 00
11	10	17	18	20845.96	1	1813.36	5.5146	0.0568	0.0	9.46E-05	8.35E-03	1.07F-01	5.33E-01	1.56E 00
8	. 7	34	35	16707.46	1	1813.54	5.5141	0.0317	0.0	7.28E-03	2.38F-01	1.68E 00	5.64E 00	1.25E 01
7	6	32"	33 1	14142.96	2	1813.81	5.5133	0.0326	0.0	7.47E-04	1.32E-02	6.43F-02	1.68E-01	3.11E-01
6	. 5	. 44 _	45	14224.45	. 1	1813.99	5.5127	0.0303	1.55E-04	7.71F-02	1.39E 00	6.88E 00	1.81E 01	3.39E 01
4	. 3	47	48	10388.82	2	1814.16	5.5122	0.0303	2.95E-04	2.32E-02	1.66E-01	4.73F-01	8.625-01	1.24F 00
7	, 6	_39_	40	15428.02	1	1814.27	5.5119	0.0303	2.83F-05	2.50E-02	6 • 03E-01	3.54E 00	1.05F 01	2.13E 01
239 6	1	62	63	9724.36	1	1814.55	5.5110	0.0303	4.79F-02	2.75E 00	1.68E 01	4.36F 01	7.47E 01	1.02F 02
φ6	5	37	. 38	12818-19	.2	1814.87	5.5100	0.0303	0.0	2.65F-03	3.40E-02	1.37E-01	3.16E-01	5.34E-01
5	4	42	43	11566.25	2	1814.98	5.5097	0.0303	6.05F-05	8.35E-03	7.94E-02	2.67F-01	5.46E-01	8.48E-01
2	. 1	56	57	8057.01	2	1815.03	5.5096	0.0303	5.06E-03	1.30F-01	5.33E-01	1.08E 00	1.58F 00	1.93E 00
1	0	66	67	8631.33	1	1815.66	5.5076	0.0303	1.23F-01	4.19E 00	1.98E 01	4.37F 01" `	6.75E 01	8.58E 01
	Į <u>I.,</u> ,	10	11	22358.71	. 1	1815.72	5.5075	0.0625	0.0	0.0	1.85E-03	2.96E-02	1.70F-01	5.54E-01
- 4	3	53	54	11850.23	1	1815.86	5.5070	0.0303	3.83F-03	6.08E-01	6.21E 00	2.18F 01	4.59E 01	7.27E 01
13	12	3	4	24020.34	1	1816.03	5.5065	0.0611	0.0	0.0	2.18F-04	4.42F-03	2.98E-02	1+09E-01
	8	85	29	17954-60	1	1816.30	5.5057	0.0359	0.0	2 03E-03	์ ืือ•98ह~02	7.59F-01	2.87E 00	6.90E 00
I	<u> </u>	- 60 -	61	6870.93	2	1817.06	5.5034	0.0303	1.50E-02	2.18F-01	6.71E-01	1.15E 00	1.50F 00	1.69E 00
11	10	16	17	20783.18	1	1817.42	5.5023	0.0585	0.0	9.51F-05	8.27E-03		5.20E-01	1.52E 00
3	2	51	52	9099.53	. 2	1817.53	5.5020	0.0303	1.54E-03	6.52E-02	3.44E-01	8.11E-01	1.31F 00	1.72E 00
10	9	52		19314.13	1	1817.61	5.5017	0.0476	0.0	4 83E-04	2.95E-02	3.04F-01	1.31E 00	3.46E 00
5	. 4_	48	49	12916.32		1817.94	5.5007	0.0303	9.33E-04	2.47F-01	3.26E 00	1.34E 01	3.11F 01	5.31E 01
	7	33		16582.50	1	1818.24	5.4998	0.0321	0.0	7.99E-03	2.54E-01	1.76E 00	5.83E 00	1.28E 01
7	6	31		14028.93		1818.26	5 <u>.4998</u>	0.0331	0.0	8.10E-04	1.39E-02	6.67E-02	1.73E-01	3.17E-01
3	2	57		10647.20	i	1818.37	5.4994	0.0303	1.75E-02	1.56F 00	1.19E 01	3.57E 01	6.61F 01	9.65E 01
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u></u> -	. 43		14061.54	1	1819.05	5.4974	0.0303	1.93E-04	8.84E-02	1.53E 00	7.41E 00	1.93E 01	3.55E 01
4		46		10219.57	2	1819.12	5.4972	0.0303	3.70E-04	2.68E-02	1.84F-01	5.12F-01	9.18E-01	1.30 = 00
· · · · · · · · · · · · · · · · · · ·	6 5	38		15284.19	1	1819.15	5.4971	0.0303	3.40E-05	2.81E-02	6.53E-01	3.76E 00	1.10E 01.	2.21E 01
6		36		12685.95	2	1819.50	5.4960	8050.0	0.0	2.93E-03	3.65E-02	1.44F-01	3.29E-01	5.51F-01
12 13	11.	2 -		22320.67		1819.52	5.4960	0.0624	0.0	0.0	1.74E-03	2.75E-02	1.58F-01	5 • 1 3E-0 1
13 5	4			24006.64	1	1819.56	5.4958	0.0609	0.0	0.0	1.65F-04	3.34F-03	2.25E-0?	8.23E-02
2	1 , .	-41 61	62	11415.59 9490.49	<u>2</u>	1819.78	5.4952	0.0303	7.35E-05	9.45F-03	8.67E-02	2.86E-01	5.75F-01	8.84E-01
2	i	55	56		1	1820.24	5.4938	0.0303	6.62F-02	3.39E 00	1.97E 01	4.92F 01	8.25E 01	1.11E 02
	~~ है	-27	28	7853.51 _17851.80	- <u>2</u>	1820.29	5.4936	0.0303	6.68E-03	1.56E-01	6.08E-01	1.20E 00,	1.72E 00	2.07E 00
4	3	52		11652.14	1	1820.79	5.4921	0.0379	0.0	2.176-03	9.36E-02	7.80E-01	2.92F 00	6.98E 00
	`io`	15		20723.88		1821.46	5.4907	0.0303	_ 5.01E-03	7.24E-01	7.05E 00	2.41F 01	4.97E 01	7.77E 01
	0	65	66	8381.13	1		5.4901	0.0591	0.0	9.49E-05	8-14E-03	1.03E-01	5.05E-01	1.47F 00
1 o	`~~	21		19233.23		1821.49	5.4900	0.0303	1.75E-01	5.26F 00	2.34E 01	4.99E 01	7.52F 01	9.40E 01
1	ő	59	60	6651.80		1821.87	5.4889	0.0496	0.0	5.01E-04	3.00E-02	3.05F-01	1.30E 00	3.43E 00
- 🕯	- 2	50	51	8914.94	2	1822.45	5.4871	0.0303	2.02E-02	2.65F-01	7.75E-01	1.29E 00	1.64F 00	1.82E 00
7	6			13918.32	2	1822.63	5.4866	0.0303	1.98E-03	7.66E-02	3.86E-01	8.88E-01	1.41E 00	1.825 00
' -		220	~ *			1822.68	5.4864	0.0335	0.0	8.74F-04	1.46E-02	6.91E-02	1.77F-01	3.23E-01

VÜ	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	, HALF Width	******	** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
·				ENERGY		CN-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
8	7	32	33	16461.06	1	1822.91	5.4857	0.0326	0.0	8.73E-03	2.69E-01	1.84E 00	6.02E 00	1.31E 01
13	12		2	23996.36		1823.06	5.4853	0.0606	0.0	0.0	1.11E-04	2.25F-03	1.51E-02	5.52E-02
5	4	47	48	12737.67		1823.15	5.4850	0.0303	1.185-03	2.88E-01	3.64E 00	1.46E 01	3.33E 01	5.61F 01
12	11		9	22286.09		1823.29	5.4846	0.0624	0.0	0.0	1.61E-03	2.53E-02	1.45E-01	4.70E-01
3	2	56	57	10433.05		1823.90	5.4828	0.0303	2.34F-02	1.89E 00	1.37E 01	3.94F 01	7.23E 01	1.04E 02
7			38	15143.88		1824.01	5.4824	0.0303	4.07E-05	3.14E-02	7.06E-01	3.99E 00	1.155 01	2.28E 01
4	3		46	10053.75		1824.05	5.4823	0.0303	4.60E-04	3.08E-02	2.04E-01	5.53F-01	9.76E-01	1.37E 00
6	5	42	43	13902-14		1824.08	5.4822	0.0303	2.37E-04	1.016-01	1.69E 00	7.96E 00	2.04E 01	3.72E 01
6	5	35	36	12557.12		1824.10	5.4822	0.0312	0.0	3.24E-03	3.91E-02	1.52E-01	3.41E-01	5.67E-01
5	4	40	41	11268.36		1824.55	5.4808	0.0303	8.88E-05	1.06E-02	9.44E-02	3.04F-01	6.04E-01	9.20E-01
9	8	26	27	17752.52		1825.24	5.4787	0.0398	0.0	2.31E-03	9.72F-02	7.99E-01	2.95E 00	7.03E 00
11	10	14	15	20668.05		1825.46	5.4781	0.0597	0.0	9.40E-05	7.96E-03	9.95F-02	4.87E-01	1.41€ 00
2	1	54	55	7653.44		1825.53	5.4779	0.0303	8.775-03	1.86E-01	6.91E-01	1.33E 00	1.86F 00	2.21E 00
2	ī	60	61	9260.14		1825.91	5.4767	0.0303	9.09E-02	4.17F 00	2.29E 01	5.55F 01	9.10E 01	1.21F 0
10	9	20	21	19155.82	. 1	1826.10	5.4762	0.0515	0.0	5.16E-04	3.04F-02	3.06E-01	1.29F 00	3.39E 00
ìà	12		<u></u> -	23989.51		1826.52	5.4749	0.0603	0.0	0.0	5.60E-05	1.13E-03	7.61F-03	2.77E-0:
4	3	51	52	11457.59		1826.60	5.4747	0.0303	6.52E-03	8.58E-01	7.98E 00	2.658 01	5.37E 01	8.29E 0
12	11	7	8	22254.96		1827.02	5.4734	0.0623	0.0	0.0	1.46F-03	2.30E-02	1.31F-01	4.24E-01
7	6	29	30	13811-11		1827.08	5.4732	0.0340	0.0	9.39E-04	1.53E-02	7.13E-02	1.81E-01	3.27E-0
1	0		65	8134.45		1827.29	5.4726	0.0303	2.46E-01	6.58E 00	2.76E 01	5.68F 01	8.36E 01	1.03E 0
8	7		32	16343.14		1827.55	5.4718	0.0331	0.0	9.50E-03	2.85E-01	1.91E 00	6.19F 00	1.34E 0
3	ž		50	8733.79		1827.70	5.4714	0.0303	2.52E-03	8.96E-02	4.32E-01	9.69E-01	1.51E 00	1.93E 0
1	0		59	6436.11		1827.82	5.4710	0.0303	2.72F-02	3.21E-01	8.93E-01	1.44E 00	1.80E 00	1.96F 0
			47	12562.54		1828.34	5.4694	0.0303	1.50E-03	3.35E-01	4.06E 00	1.58E 01	3.56E 01	5.93E 0
6	5		35	12431.72		1828.67	5.4685	0.0317	0.0	3.56E-03	4.175-02	1.59E-01	3.53E-01	5.82E-0
7	6		37	15007.09		1828.83	5.4680	0.0308	4.83E-05	3.49E-02	7.61E-01	4.21F 00	1.20F 01	2.36E 0
4	3		45	9891.36		1828.96	5.4676	0.0303	5.70E-04	3.53E-02	2.25E-01	5.955-01	1.04E 00	1.44E 0
6	~~ 5	4 i	42	13746.29		1829.08	5.4672	0.0303	2.90E-04	1.15E-01	1.85E 00	8.53E 00	2.15E 01	3.89E 0
5	4		40	11124.55		1829.29	5.4666	0.0303	1.07E-04	1.20E-02	1.02E-01	3.245-01	6.34E-01	9.55E-0
Ē	2		56	10222.44		1829.39	5,4663	0.0303	3.13E-02	2.28E 00	1.58E 01	4.38E 01	7.89F 01	1.12E 0
11	10		14	20615.70		1829.43	5.4662	0.0604	0.0	9.256-05	7.73E-03	9.60F-02	4.68E-01	1.35E 0
9	8		26	17656.73		1829.66	5.4655	0.0418	0.0	2.45E-03	1.01E-01	8.15F-01	2.99E 00	7.06E 0
10	9		20	19081.91		1830.30	5.4636	0.0535	0.0	5.28E-04	3.06E-02	3.04E-01	1.28E 00	3.33E 0
12	11	6	7	22227.29		1830.72	5.4623	0.0620	0.0	0.0	1.31E-03	2.05F-02	1.16E-01	3.76E-0
2	1	53	54	7456.80		1830.74	5.4623	0.0303	1.14F-02	2.21E-01	7.84E-01	1.46E 00	, 2.02E 00	2.36E 0
7	6		29	13707.32		1831-45	5.4602	0.0359	0.0	1.01E-03	1.60E-02	7.33E-02	1.84E-01	3.31E-0
2	1	59	60	9033.32		1831.55	5.4599	0.0303	1.24E-01	5.12E 00	2.66E 01	6.24E 01	1.00E 02	1.31E 0:
4	3		51	11266.57		/ 1831.93	5.4587	0.0303	8.43E-03	1.01E 00	9.01E 00	2.91E 01	5.79E 01	8.83E 0
8	7	30	31	16228.73		1832.16	5.4580	0.0335	0.0	1.03E-02	3.01E-01	1.98E 00	6.35E 00	1.36E 0
3	2		49	8556.07		1832.75	5.4563	0.0303	3.20E-03	1.04E-01	4.83E-01	1.06F 00	1.62E 00	2.04E 0
1	0		64	7891.29		1833.07	5.4553	0.0303	3.44E-01	8.20E 00	3.24E 01	6.45E 01	9.28E 01	1.12E 0
1	0		58	6223.85		1833.16	5.4551	0.0303	3.64E-02	3.88E-01	1.03E 00	1.60F 00	1.96E 00	2.12E 0
6	5		34	12309.75		1833.21	5.4549	0.0321	0.0	3.89E-03	4.43E-02	1.465-01	3.65E-01	5.96E-0
13	12	1		23986.09		1833.33	5.4546	0.0603	0.0	0.0	5.64E-05	1.14E-03	7.65E-03	2.79E-0
11	10		13	20566.83		1833.36	5.4545	0.0610	0.0	9.02E-05	7.45E-03	9.19F-02	4.46E-01	1.28E 0
5	4		46	12390.96		1833.49	5.4541	0.0303	1.88E-03	3.87E-01	4.51E 00	1.715 01	3.80F 01	6.25E 0
7	6		36	14873.83		1833.63	5 • 4 5 3 7	0.0312	5.70F-05	3.87E-02	8 • 1 7E-01	4.44E 00	1.25E 01	2.43E 0
	Ē		44	9732.40		1833.84	5.4530	0.0303	7.02E-04	4.03E-02	2.47E-01	6.40E-01	1.10E 00	1.50E 0
5	4		39	10984.19		1834.00	5.4526	0.0303	1.28E-04	1.34E-02	1.11E-01	3.43E-01	6.63E-01	9.90E-0
9			25	17564.47		1834.05	5+4524	0.0437	0.0	2.57E-03	1.04E-01	8.29F-01	3.02E 00	7.08E 00
6	5		41	13593.96		1834.06	5.4524	0.0303	3.54F-04	1.30E-01	2.02E 00	9.12E 00	2.27E 01	4.05E 0
	=			22203.07		1834.39	5.4514	0.0503	0.0	0.0	1.14E-03	1.78E-02	1.01E-01	3.26E-0
12	11													

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE "עָנּ" 'עָנּ" 'עָנּ" 'עָנּ LOVER CODE WAVE WAVE ******* INTEGRATED ** ABSORPTION ** COEFFICIENT ******** HALF STATE NUMBER LENGTH WIDTH CM*GM+1 T = 2500 ENERGY CM-1 MICRON H2 T = 1000T = 1500T = 2000 T = 300054 55 10015.37 1834.87 5.4500 0.0303 2.74E 00 4.15E-02 1.80E 01 4.87F 01 8.59E 01 1.20F 02 ĕ ~ž7 28 13606.95 2 1835.79 5.4472 0.0379 1.07E-03 7.52E-02 0.0 1.66E-02 1.87E-01 3.34E-01 52 53 7263.61 1835.92 5.4469 0.0303 1.49E-02 2.61E-01 0.87E-01 1.61F 00 2.18E 00 2.52E 00 13 12 T ž 1 23989.51 1836.69 5.58F-02 5.4446 0.0606 0.0 0.0 1-13E-04 2.27E-03 1.53E-02 29 30 16117.86 1836.74 5.4444 0.0340 0.0 1.11E-02 3.16E-01 2.05E 00 6.50F 00 1.38E 01 ~i` 58 -59 6.25E 00 8810.04 1837.16 5.4432 0.0303 1.69E-01 3.08E 01 7.00E 01 1.10E 02 1.42E 02 49 50 11079.09 1837.23 5-4430 0.0303 1.09E~02 1.19E 00 1.01E 01 3.19E 01 6.24E 01 9.38E 01 ïï~ io ~iï~ 12 20521.44 1837.27 5.4429 0.0617 0.0 8.71E-05 7.12E-03 8.72E-02 4.22E-01 1.21E 00 32 33 12191.21 1837.73 5.4415 0.0326 2.27E-05 4.24E-03 4.70E-02 1.73E-01 3.76E-01 6.09E-01 **"**a" 2 47 48 8381.80 2 1837.77 5.4414 0.0303 4.03E-03 1.21E-01 5.38E-01 1.15E 00 1.73E 00 2.16F 00 12 11 22182.32 1838.02 5.4406 0.0614 070 9.68E-04 1.51E-02 8.53E-02 2.758-01 0.0 6 34 35 14744.11 1838.39 5.4395 0.0317 8.74E-01 6.70E-05 4.27E-02 4.66E 00 1.29F 01 2.50E 01 23 24 17475.72 1838.41 5.4395 0.0457 0.0 2.70F-03 1.06E-01 8.40E-01 3.03E 00 7.07F 00 ô 56 57 6015.03 1838.48 5.4393 0.0303 4.67E-01 4.84E-02 1.18E 00 1.78E 00 2.14E 00 2.27E 00 1.24E 00 3.19E 00 17 18 18944.59 1838.60 5.4389 0.0568 0.0 5.45E-04 3.05E-02 2.985-01 4 2.34E-03 44 45 12222.92 1838.61 5.4389 0.0303 4.46E-01 4.99F 00 1.85E 01 4.04E 01 6.57E 01 37 38 10847,26 5.4387 3.63E-01 1838.69 0.0303 1.52E-04 1.49E-02 1.19E-01 6.92E-01 1.02E 00 3 42 43 \$576.89 1838.70 5.4386 4.58F-02 E0E0.0 8.59E-04 2.71E-01 6.86E-01 1.16E 00 1.57F 00 62 63 7651.67 1838.82 5.4383 0.0303 4.79E-01 1.02E 01 3.81E 01 7.32E 01 1.03E 02 1.22E 02 -5° 39 40 4.28E-04 13445.18 1839.01 5.4377 0.0303 1.47E-01 2.20E 00 9 72E 00 2.38E 01 4.22F 01 12 23996.36 1840.01 5.4348 0.0609 0.0 3.40E-03 0.0 1.68F-04 2.29F-02 8.37E-02 6 26 27 13510.01 1840.10 5.4345 0.0398 1.89E-01 0.0 1.14E-03 1.73E-02 7.69E-02 3.36E-01 53 54 9811.84 5.4339 1840.31 0.0303 5.47E-02 3.28F 00 2.06E 01 5.39E 01 9.33E 01 1.29E 02 2 1 51 52 7073.87 2 1841.08 5.4316 0.0303 1.92E-02 3.09F-01 1.00E 00 1.77E 00 2.35E 00 2.68E 00 10 10 11 20479.54 6.74E-03 1841.14 5.4314 0.0625 8.33E-05 1.13E 00 0.0 8.21E-02 3.95€-01 ~7 28 29 16010.51 1841.29 5.4310 0.0359 0.0 1.19E-02 3.31E-01 Z. 12E 00 6.64E 00 1.40E 01 22165.02 1 1841.62 5.4300 0.0611 0.0 0.0 7.86E-04 1.22E-02 6.90E-02 2.22E-01 5 31 32 12076.10 1842.21 5.4283 0.0331 2.60E-05 4.60F-03 4.96E-02 1 80E-01 3.86E-01 6.21E-01 10895-17 48 49 1842.50 5.4274 0.0303 1.39E-02 1.40E 00 1.14E 01 3.49E 01 6.70E 01 9.95E 01 9 17 18881.18 îō 16 5.4268 1842.70 0.0585 0.0 5.48E-04 3.03E-02 2.93E-01 1.21F 00 3.10E 00 22 17390.49 1842.74 5.4267 0.0476 0.0 2.81E-03 1.09E-01 8.48E-01 3.03E 00 7.04E 00 57~ 58 8590.31 1842.75 5-4267 0.0303 2.28E-01 7.61E 00 3.56E 01 7.84É ŏï 17.21 £ 702 1.53E 02 46 8210.98 1842.77 5.4266 0.0303 5.06F-03 1.40E-01 5.97E-01 1.24E 00 1.84E 00 2.27F 00 33 34 14617.93 1843.13 5.4256 0.0321 7.81E-05 4.69E-02 9.32E-01 4.88E 00 1.34E 01 2.57E 01 24006.64 1843.29 5.4251 0.0611 0.0 0.0 2.23F-04 4.52E-03 3.05E-02 1.11E-01 4 36 37 10713.77 ·----1843.35 5.4249 80E0.0 1.79E-04 1.65E-02 1.28E-01 3.825-01 7.20E-01 1.06E 00 42 9424.83 1843.53 5.4244 0.0303 1.05E-03 5.19E-02 2.96F-01 7.33E-01 1.22E 00 1.64E 00 43 44 12058.43 5.51E 00 1843.71 5.4238 0.0303 2.91E-03 5.12E-01 2.00E 01 4.29E 01 6.90E 01 55 56 5809.67 2 1843.77 5.4237 0.0303 6.40F-02 5.61E-01 1.34F 00 1.98E 00 2.33E 00 2.44E 00 5 8E 39 13299.95 ï 1843.93 5.4232 0.0303 5.16E-04 1.65E-01 2.38E 00 1.03E 01 2.50E 01 4.38E 01 25 26 13416.50 2 1844.38 5.4219 0.0418 1.78E-02 0.0 1.20F-03 7.84E-02 1.91E-01 3.38E-01 0 61 62 7415.60 1844.54 5.4214 0.0303 6.64E-01 1.26E 01 4.45E 01 8.275 01 1.14E 02 1.33E 02 10 20441-12 1 1844.97 5.4201 0.0624 0.0 7.87E-05 6.31E-03 7.65E-02 3.675-01 1.05E 00 12 Τī Ĩ 22151.18 1845.19 5.4195 0.0609 9.24E-03 5.22E-02 0.0 5.96E-04 0.0 1.68F-01

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	VU	VL.	'n	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	'HALF WIDTH	******	** INTEGRAT	ED ** ABSOR	-	EFFICIENT *	
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 2500
					, 21121031			MICRON	nc.) ~ 1000	1 - 1500	1 - 2000	1 = 2500	1 = 3000	T = 3500
_	7	6	32	33	14495.30		1847.83	5.4118	0.0326	0.055-05	E 13E 00	0.005.01	- 10F 00	. 705 01	2 (75 24
	5	Ť	35	36	10583.74		1847.98	5.4113		9.06E-05	5.13E-02	9.90E-01	5.10E 00	1.38E 01	2.63E 01
	2	ī	56	57	8374.14		1848.31	5.4103	0.0312	2.11E-04	1.82E-02	1.37E-01	4.02E-01	7.48E-01	1.09E 00
		- •	40	41	9276.23		1848.33	5.4103	0.0303	3.07E-01 1.27E-03	9.23E 00 5.86E-02	4.10E 01	8.76E 01	1.32E 02	1.65E 02
	7	6	24	25	13326.42		1848.64	5.4094	0.0437			3.22E-01	7.82E-01	1.28E 00	1.71E 00
	12	11	1	2	22140.79		1848.72	5.4091	0.0606	0.0	1.26E-03	1.83E-02	7.96E-02	1.93E-01	3.38E-01
	11	10	â	9	20406.19		1848.77	5.4090	0.0624		0.0	4.01E-04	6.21F-03	3.50E-02	1 - 1 3E-01
	5	<u> </u>	42	<u>+3</u>	11897.51		1848.78	5.4090	0.0303	0.0 3.59E-03	7.34E-05 5.86E-01	5.84E-03	7.04E-02	3.36E-01	9.59E-01
	6	5	37	38	13158.27		1848.81	5.4089				6.06E 00	2.15E 01	4.54E 01	7.23E 01
	_ <u>_</u>		54	55	5607.77		1849.04	5.4082	0.0303	6.17E-04	1.84E-01	2.58E 00	1.10E 01	2.61E 01	4.54E 01
	13	12	6	5	24037.46		1849.76	5.4061	0.0303	8.43E~02	6.70E-01	1.53E 00	2.19E 00	2.53E 00	2.61E,00
	1	-	60	61	7183.08				0.0617	0.0	0.0	3.29E-04	6.68F-03	4.53E-02	1.66E-01
	8	7	26	27	15806.43		1850.24	5-4047	0.0303	9+14E-01	1.55E 01	5.19E 01	9.34E 01	1.26E 02	1.45E 02
	10 -		14	15	16764.90		1850.80	5.4045	0.0398	0.0	1.36E-02	3.59E-01	2.23E 00	6.86E 00	1.43E 01
	.6	5	29	30	11856.22			5.4031	0.0597	0.0	5.43E-04	2.92E-02	2.78E-01	1.13E 00	2.89E 00
	3		51	52	9415.45		1851-10	5.4022	0.0340	3.36E-05	5.35E-03	5.47E-02	1.92E-01	4.04E-01	6.41E-01
	9	8	20	21	17230.61		1851-12	5.4021	0.0303	9.36E-02	4.64E 00	2.65E 01	6.57E 01	1.09E 02	1.47E 02
	2	-	49	50	6704.76		1851.30	5.4016	0.0515	0.0	3.01E-03	1-12E-01	8.53E-01	3.01E 00	6.90E 00
	12	11	0	1	22133.87		1851.32	5.4016	0.0303	3.16E-02	4.25E-01	1.26E 00	2.12E 00	2.71E 00	3.02E 00
	7	- 11	31	32			1852.21	5.3990	0.0603	<i>,,≴</i> 0.0	0.0	2.02E-04	3.12F-03	1.76E-02	5.65E-02
242	11	10	7		14376.23		1852.51	5.3981	0.0331	/ 1.04E-04	5.59E-02	1.05E 00	5.31E 00	1.42E 01	2.69E 01
15	5	4	34	<u>8</u> 35	20374.75		1852.54	5.3980	0.0623		6.73E-05	5.32E-03	6.38E-02	3.04E-01	8.66E-01
					10457.16		1852.59	5.3978	0.0317	2.46E-04	2.01E-02	1.47E-01	4.21E-01	7.75E-01	1.12E 00
	7	_2	44	45	7879.72		1852.68	5.3976	0.0303	7.83E-03	1.85E-01	7.30E-01	1.45E 00	2.08E 00	2.51E 00
		- 6	23	24	13239.77		1852.86	5.3971	0.0457	0.0	1.32E-03	1.88E-02	8.06E-02	1.93E-01	3.37E-01
	13	12	7	6	24058.02		1852.94	5.3968	0.0620	0.0	0.0	3.79E-04	7.72E-03	5.24E-02	1.92E-01
	•	3	46	47	10538.00		1852.96	5.3968	E0E0•0	2.24E-02	1.90E 00	1.42E 01	4.14E 01	7.68E 01	1.11F 02
		3	39	40	9131.08		1853.11	5.3963	0.0303	1.53E-03	6.58E-02	3.50E-01	8.32F-01	1.35E 00	1.77E 00
	6	5	36	37	13020-16		1853.67	5.3947	0.0308	7.35E-04	2.05E-01	2.78E 00	1.16E 01	2.73E 01	4.69E 01
	5_	4	41	42	11740.14		1853.82	5.3943	0.0303	4.41E-03	6.67E-01	6.65E 00	2.30E 01	4.80E 01	7.55E 01
	2	ı	55	56	8161.53		1853.84	5.3942	0.0303	4.10F-01	1.12E 01	4.71E 01	9.76E 01	1.44E 02	1.78E 02
	1	0	53	54	5409.33		1854.28	5.3929	0.0303	1.10E-01	7.98E-01	1.74E 00	2.42E 00	2.74E 00	2.79E 00
	8	7	25	26	15709.71		1854.76	5.3915	0.0418	0.0	1.44E-02	3.71E-01	2.28E 00	6.94E 00	1.43E 01
	10	9	13	14	18712.02		1854.81	5.3914	0.0604	0.0	5.34E-04	2.83E-02	2.685-01	1'.09F 00	2.76E 00
	6	5	28	29	11751.45		1855.50	5.3894	0.0359	3.78E-05	5.74E-03	5.72E-02	1.98E-01	4.12E-01	6.49E-01
	9_	8	19	20	17155.96		1855.53	5,3893	0.0535	0.0	3.08E-03	1.13E-01	8.51E-01	8.98E 00	6.80E 00
	1	0	59	60	6954.12		1855.92	5.3882	0.0303	1.25E 00	1.91E 01	6.04E 01	1.05E 02	1.38F 02	1.57E 02
	13	12	8	7	24081.99		1856.08	5.3877	0.0623	0.0	0.0	4.26E-04	8.72E-03	5.93E-02	2.18E-01
	11	10	6	7	20346.80		1856.28	5.3871	0.0620	0.0	6.06E-05	4.76E-03	5.69F-02	2.70E-01	7.68E-01
	2	1	48	49	6525.41		1856.40	5.3868	0.0303	4.01E-02	4.96E-01	1.41E 00	2.31E 00	2.91E 00	3.20F 00
	3	2	50	51	9222.61		1856.48	5.3865	0.0303	1.21E-01	5.49E 00	2.99E 01	7.22F 01	1.18E 02	1.57E 02
		6	22	23	13156.57		1857.05	5.3849	0.0476	0.0	1.37E-03	1.92F-02	8.126-02	1.94E-01	3.35F-01
	7	6	30	31	14260.70		1857.15	5.3846	0.0335	1.20E-04	6.07F-02	1.11E 00	5.51F 00	1.46E 01	2.74E 01
	5	4	33	34	10334.05		1857.16	5.3846	12E0.0	2.86E-04	5.50E-05	1.56E-01	4.41F-01	8.01F-01	1.14E 00
	3	2	43	44	7719.30		1857.59	5.3833	0.0303	9.66E-03	2.12E-01	8.03E-01	1.56E 00	2.20E 00	2.63E 00
	4	3_	38	39	8989.41		1857.85	5.3826	0.0303 ,	1.83E-03	7.37E-02	3.79E-01	8.83F-01	1.41E 00	1.84E 00
		3	45	46	10364,77		1858.15	5.3817	0.0303	2.82E-02	2.20E 00	1.58E 01	4.49E 01	8.19E 01	1.17F 02
	4		35	36	12885.61		1858.50	5.3807	0.0312	8.69E-04	2.28E-01	2.99E 00	1.22E 01	2.84E 01	4.84F 01
	6	_ 5						5.3799	0.0610	0.0	5.21E-04	2.73E-02	2.56E-01		
	6 10	- 9	12	13	18662.66		1858.78		*****	V . U		44/31,-04	7 • 20E-01	1.04F 00	2.63E 00
	6 10 5	- 9 - 4		13 41	18662.66 11586.35		1858.78	5.3797	0.0303	5.38E-03	7.56F-01	7.27E 00			
	6 10	- 9	12			1					7.56F-01	7.27E 00	2.46E 01	5.06E 01	7.88E 01
	6 10 5 12 8	- 9 - 4	12 40 1 24	41	11586.35	- <u>1</u>	1858.83	5.3797	0.0303 0.0603	5.38E-03 0.0	7.56F-01 0.0	7.27E 00 2.03E-04	2.46E 01 3.14E-03	5.06E 01 1.77E-02	7.88E 01 5.69E-02
	6 10 5 12	9 4	12 40 1	0	11586.35 22130.41	1 1 1	1858.83 1859.10	5.3797 5.3789	0.0303	5.38E-03	7.56F-01	7.27E 00	2.46E 01	5.06E 01	7.88E 01

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE VU VL JU JL LOWER WAVE WAVE HALF ******* INTEGRATED ** ABSORPTION ** COEFFICIENT ******** STATE NUMBER LENGTH WIDTH CM*GM-1 ENERGY CM-1 MICRON H2 T = 1000T = 1500T = 2000 T = 2500 T = 3000 T = 35005214.37 2 53 1859.50 5.3778 C.0303 1.97E 00 1.44E-01 9.47E-01 2.67F 00 2.96E 00 2.98E 00 18 19 17084.85 1859.73 5.3771 0.0552 3.14E-03 0.0 1.13E-01 8.44E-01 2.94E 00 6.67E 00 27 28 11650.14 1859.88 5.3767 0.0379 6.12E-03 4.24E-05 5.95F-02 2.03E-01 4.19E-01 6.56E-01 20322.34 1859.98 6 5.3764 0.0617 0.0 5.33E-05 4.16E-03 4.96F-02 2.35E-01 6.67E-01 13076.80 21 22 1861.22 5.3728 0.0496 1.42E-03 0.0 1.955-02 8.16E-02 1.93E-01 3.33E-01 47 48 6349.53 1861.45 5.3722 0.0303 5.77E-01 1.57E 00 5.07E-02 2.51E 00 3.11E 00 3.38E 00 58 59 6728.75 1861.56 5.3718 0.0303 1.71E 00 2.34E 01 7.00E 01 1.18F 02 1.52E 02 1.70E 02 5 32 33 10214.39 1861.71 5.3714 0.0326 3.30E-04 2.40E-02 1.65E-01 4.59E-01 8.25E-01 1.17E 00 29 30 14148.75 1861.77 5.3712 0.0340 1.36E-04 6.55E-02 1.16F 00 5.70E 00 1.50E 01 2.78F 01 2 9033.35 1861.82 49 50 5.3711 0.0303 1.57E-01 6.48E 00 3.37E 01 7.92E 01 1.27E 02 1.67E 02 13 12 10 9 24140.20 1862.26 5.3698 0.0624 0.0 0.0 5.12E-04 1.06E-02 7.23F-02 2.66E-01 2 42 43 7562.35 1862.48 5.3692 0.0303 1.19E-02 2.41E-01 8-81E-01 1,67E 00 2.33E 00 2.75E 00 12 11 2 22133.87 1862.49 5.3692 0.0606 0.0 0.0 4.06E-04 6.28E-03 3.55E-02 1-145-01 37 ЗÄ 8851.20 1862.57 5.3689 0.0303 2.18E-03 8.22E-02 4.09E-01 9.34F-01 1.47E 00 1.00E 00 10 9 11 12 18616.82 1862.71 5.3685 0.0617 0.0 5.03E-04 2.61F-02 2.44E-01 9.81E-01 2.48E 00 34 35 12754.63 1863.31 5.3668 0.0317 2.52F-01 1.02E-03 3.20E 00 1.28E 01 2.95E 01 4.98E 01 3 44 45 10195.12 1863.31 5.3668 0.0303 3.52E-02 2.54E 00 1.75E 01 4.86E 01 8.72F 01 1.24E 02 23 24 15526.91 1863.58 5.3660 0.0457 0.0 1.59E-02 3.93E-01 2.35E 00 7.03E 00 1.44E 01 20301.37 11 10 5 1863.65 5.3658 0.0614 4.54E-05 3.53E-03 4.19F-02 0.0 1.98E-01 5.62E-01 39 40 11436.14 1863.81 5.3654 0.0303 6.53E-03 8.54E-01 7.92F 00 2.63E 01 5.32E 01 8.21E 01 8 18 17017.28 8.34F-01 17 1863.90 5.3651 0.0568 0.0 3.18F-03 1.13E-01 2.88E 00 6.51E 00 -26 27 11552.28 6.18E-02 2.08E-01 1864.22 5.3642 89E0.0 4.71E-05 6.50F-03 4.25E-01 6.60E-01 0 51 5022.89 52 1864.69 5.3628 0.0303 1.12E 00 2.93F 00 3.20F 00 1.86E-01 2.23E 00 3.18E 00 54 1 53 7747.04 1864.83 5.3624 0.0303 7.22F-01 1.61E 01 1.20F 02 1.71E 02 6.16E 01 2.05E 02 13 12 11 10 24174.43 1865.29 5.3611 0.0625 0.0 0.0 5.51E-04 1.14F-02 7.84E-02 2.90E-01 20 21 13000.48 8.16F-02 1865.35 5.3609 0.0515 0.0 1.46E-03 1.97E-02 1.91E-01 3.29F-01 9.40F-03 12 2 22140.79 1865.84 5.3595 0.0609 0.0 0.0 6.07F-04 5.31E-02 1.71E-01 "ġï" 32 10098.21 1866.23 5.3584 0.0331 3.79E-04 2.60F-02 4.77F-01 1.75E-01 8.48E-01 1.19E 00 28 29 14040.35 1866.35 5.3581 0.0359 1.54E-04 7.04E-02 1.22F 00 5.89E 00 1.53E 01 2.82E 01 46 47 6177.14 1866.48 5.3577 0.0303 6.38E-02 6.68F-01 1.75E 00 2.72E 00 3.32E 00 3.57E 00 10 21 18574.50 10 1866.62 5.3573 0.0525 0.0 4.82E-04 2.47E-02 2.29E-01 9.20E-01 2.31E 00 1867.12 48 49 8847.68 5.3558 0.0303 2.01E-01 7.60E 00 3.79E 01 8.67F 01 1.37E 02 1.77E 02 57 58 6506.95 1867.19 5.3556 0.0303 2.32E 00 2.85E 01 B.11E 01 1.32E 02 1.67E 02 1.84E 02 37 36 8716.48 1867.27 5.3554 0.0308 2.58E-03 9.13E-02 4.40E-01 1.53E 00 9.85E-01 1.96E 00 20283.89 1867.28 5.3554 0.0611 3.70E-05 0.0 2.86E-03 3.39E-02 1.60F-01 4.54E-01 41 42 7408.88 1867.34 5.3552 0.0303 2.74F-01 1.79E 00 2.45E 00 1.45E-02 9.64E-01 2.87E 00 22 23 15440.84 1867.94 5.3535 0.0476 1.66E-02 4.02E-01 2.37E .00 0.0 7.04E 00 1.43E 01 16 17 16953.25 1868.04 5.3532 0.0585 3.20F-03 2.81E 00 0.0 1.12E-01 8.19E-01 6.33E 00 33 34 12627.23 1868.08 5.3531 0.0321 1.19E-03 2.77E-01 3.42E 00 1.35E 01 3.05E 01 5.11F 01 12 24212.08 11 1868.29 5.3525 5.85E-04 1.22E-02 0.0617 0.0 0.0 8.41E-02 3.12E-01 43 44 10029.06 1868.44 5.3521 0.0303 4.38E-02 2.92E 00 1.93E 01 5.24E 01 9.27E 01 1.30E 02 25 26 11457.88 1868.53 5.3518 0.0418 5.21E-05 2.12F-01 4.29E-01 6.86E-03 6.38E-02 6.63E-01 38 39 11289.51 1868.77 5.3511 0.0303 7.885-03 9.61E-01 8.61E 00 2.80F 01 5.58E 01 8.52E 01 22151.18 1869.16 1.256-02 7.06E-02 5.3500 0.0611 0.0 0.0 8 . 05E-04 2.27E-01 6 19 20 12927.62 1869.46 5.3491 0.0535 0.0 1.50E-03 1.985-02 8.12E-02 1.895-01 3.23E-01 50 51 4834.91 1869.85 5.3480 0.0303 3.21F 00 2.40E-01 1.32E 00 2.51E 00 3.44E 00 3.38E 00 7545.17 1 1 52 53 1870.28 5.3468 1.92F 01 0.0303 9.50E-01 7.02E 01 1.33F 02 1.85E 02 2.19E 02 9 10 18535.70 1870.49 5.3462 0.0624 0.0 4.55E-04 2.32F-02 2.14F-01 8-54E-01 2.14E 00 30 31 9985.50 1870.72 5.3455 0.0335 4.33E-04 2.82E-02 1.84E-01 4.95E-01 8.70E-01 1.21F 00 10 2 20269.91 1870.88 5.3451 0.0509 0.0 2.81E-05 2.17E-03 2.57F-02 1.218-01 3.43E-01 27 28 13935.53 1870.91 5.3450... 0:0379 1.74E-04 7.54F-02 1.27E 00 6.06E 00 1.55E 01 2.85E 01 12 Ti3" 12 24253.14 ī 1871.25 5.3440 0.0610 0.0 0.0 6.17E-04 1.296-02 8.95F-02 3.32E-01

1 45 46

6008.24

2

1871.48

5.3434

0.0303

7.98E-02

7.71F-01

1.94E 00

2.94F 00

3.53E 00

3.75E 00

MOLECULAR LINE PARAMETERS FOR DIATONIC MOLECULES

CARBON MONOXIDE

YU	YL	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE Length	''MALF Width	*****	** INTEGRATI	ED ≢≢ ABSÖR CM≠G	AND THE PROPERTY AND TH	EFFICIENT *	******
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	3			8585.23	2	1871.93	5.3421	0.0312	3.04F-03	1.016-01	4.72E-01	1.04E 00	1.59E 00	2.02E 00
ġ		15	16	16892.76	- i	1872.14	5.3415	0.0591	0.0	3.20E-03	1 - 10E-01	8 . 006-01	2.73E 00	6.13E 00
3	2	AO	41	7258,90	Z	1872.18	5,3414	0.0303	(.76E-02	3.09E-01	1.05F 00	1.91E 00	2.58E 00	. 5.99E 00
5	7	21	22	15358.34	ı	1872.27	5.3411	0.0495	2,008-05	1.725-02	4.09E-01	2,39E 00	7.03E 00	1.42E 01
<u> </u>	2		48	8665.59		1872.40	5.3407	0.0303	2.57F-01	8,89E 00	4,25E 01	9.46E 01	1.47E 02	1-87E 02
12	11		4	22165.02		1872.45	5.3406	0.0614	0.0	0.0	9.98E-04	1.552-02	8.79E-02	2.83E-01
<u>1</u>	0		57	6288.75		1872.78	5.3397	0.0303	3.12E 00	3.46E 01	9.35E 01	1.48F 02	1.83E 02	1.98E 02
6 6	5		25 33	11366.95 12503.41		1872.82 1872.82	5.3395 5.3395	0.0437 0.0326	5.72F-05 1.39E-03	7.22E-03 3.03E-01	6.57E+02 3.63E 00	2.16E-01 1.41E 01	4.33E-01 3.15E 01	6.64E-01 5.24E 01
 7	6		19	12858.20		1873.53	5.3375	0.0552	0.0	1.526-03	1.98E-02	8.05E-02	1.87E-01	3.17E-01
4	3		43	9866.59	. 1	1873.55	5.3375	0.0303	5.48E-02	3.35F 00	2.13E 01	5.64E 01	9.82E 01	1.36E 02
5	Ą	37	38	11146.46	-	1873.69	5.3371	0.0303	9.45F-03	1.086 00	9.326 00	2.97E 01	5.84E 01	8.84E 01
13	12	v madi	3070	24297.62	. 3	1874.17	5.3367	0.0604	0.0	0.0	6.44E-04	1.366-02	9.45E-02	3.52E-01
10	9		9	18500.42		1874.33	5.3362	0.0624	0.0	4.256-04	2.14E-02	1.976-01	7.845-01	1.96E 00
11	10	1	2	20259,43	L	1874.45	5.3349	0.0606	0.0	0 - 0	1.46F-03	1+73E-02	8.14E-02	2430E-01
1	Ō	49	50	4650.41	2	1874.99	5.3334	0.0303	3.07E-01	1.55F 00	2.81E 00	3,51E 00	3,70E 00	3.59E 00
5	4	29	30	9876.27	2	1875.18	5.3328	0.0340	4,91E-04	3.03F-02	1.93E-01	5.11E-01	8.89E-01	1.23E 00
7	•	26	27	13834.28	1	1875.43	5.3321	0.0398	1.946-04	8.03E-02	1.32E 00	6.21E 00	1.58E 01	2.88E 01
12	_11	6.	5	22182.32	1	1875.70	5.3313	0.0617	0.0	0.0	1.19F-03	1.85F-02	1.05E-01	3.38E-01
Ξ	1	51	5E	7545.91	. 1	1675.70	3.33i3 	ū.ú3ú3 - ·	1.2+E 00 	2.29E 01	7.97E 01	1.472 02	2.01E 02	2.54E 0
2	1	44	45	5842.64	ż	į 87ó∗46	6.3292	0.0303	9 . 926-02	- 6.85E-01	Ż.14E 00	3.18E 00	3.75E 00	3,955
8	7		21	15279,39		1876.57	5.3289	0.0515	2.15E-05	1.776-02	4.14E-01	2.39E 00	6,99E 00	1.405
4	3		35	8457.48	May 24	1876-57	5.3289	0.0317	3.55E-03	1.11E-01	5.04E-01	1.09E 00	1.65E DO	2.086
					00 10 0							3 HAR 100		- · · ! 00
13	12	15	14	24345.52	1	1877.06	5.3275	0.0597	0.0	0.0	6.68F-04	1.426-02	9.91E-02	3.71
=	=	23	2 <u>4</u>	11276.66		1877268	5.3274	0.0057	ALZEF-NE	7.555403	A.738±62	J. (AŒ—A)	4.746461	5-5 (5-01
		=:	==	=======	1	1	5.5541			5.515 51		1_175 11	5.557 60	
- 7	-	17	1.0	12772420		1677.36	0.0200	0.0000	010	1.0.2	1.775-02	7. Prid-DE	11525-01	O-AOF-01
3	2	i seese	47	0807.11		1077.66	E 70E0	A A7A7	3 0KC_61	1 AAE A1	4 7AE AI	1 435 40	1 E7E A0	3 70E VZ
. 11	10	0	1	20252,43	1	1877.98	5.3849	0.0603	0.0	0.0	7.36E-04	8.68F-03	4 • 09E-02	<u> </u>
• 7	-			-00 		1446 55	9 FYETT	0.0000	vev Lide og	1 1AC 41	1 405 MG	1 * 1 V W W * 1	1 7 7 7 5 7 8	-275 00
<u>i</u>			- 56	6074.14		1878.35	5.3238	0.0303	4.19E 00	4-19F 01	1.08E 02	1+65E 02	\$*005 08	
5 4	3		37 42	11007.02 9707.73		1878.59	5.3231 5.3231	0.0308	1.13E-02	1.20E 00	1.01E 01	3,14F 0I	6.10E 01	
 12	11	- -				1878.62 1875.91	5.3222	0.0303	6,67E→02	3.82E 00	2.34E 01 1.36E=03	6.06E 01 2.13E=02	1.04E 07 1.21E-01	- A
5	4		29	9770.52		1879.62	5.3202	0.0359	5.54E=04	3.25E=02	2.02E=01	5.27F=01	9.07E=01	
13	466					1879.91	5.3194	0.0591	0.0	0.0	6.07E → 04	1.47E-02	1.036-01	
														2.89: 01
1	0	48	49	4469.43	2	1800.11	5.3100	0.0303	3.92E-01	1.81F 00	3.15E 00	3.83E 00	3.97E 0	
G	Ē					1 AAO . 25	5.31A4	0.0604	0.0	3.13F-03	1.056-01	7.50F-01	2.53F 0	
8	7	19	20	15204.01	i	1880+84	5+3168	0.0535	2.28E-05	1.825-02	4.17E-01	2438F 00	6+92E	
2	i			7152.25		1881.10	5.3160	0.0303	1.62F 00	2.71E 01	9.01€ 01	1.62E 02	2 • 17E	
-		÷.	- 55		-	iani-ia	H-Artis	31-31-5-1	<u>u_i</u>	1-11-0	n.air-us	12:1=1 1111	-01	2.13# 00 6.59F=01
<u>I</u> .					<u>T</u>				1,000 01	1.012 00				A 105 (0)
Ŧ			17	12729.73	50 EE50	1001.70	3,5147	0.0303	0.0	1.550 05	1.935-07	7:65E-6E		
5			<u>-</u> - <u></u>			"1885177""				- 31996-91				
10	q		7	18440.43		1881.90	5.3138	0.0620	0.0	3.51E-04	1.756-02	1.59E-01	12 22	2.4
19	11		7	99997.90		1882.00	5.3132	0.0623	0.0	0.0	1.636-03	2.415-02	1	411444
	Ē	a A	71	19966.58	i i	166991	5.3190	A. A336	1.RAE_N3	* #0=_A+	A.A76 An	1.696 A1	3004C US	31435 01
lia	12	=	10	24451453	T :	1004+14	5.3115	V+V566	<u> </u>	040	7.036-04	1+526-02	075 04	4 A4F A4
3	ź					1882.88	5.3110	0.0303	4.11E-01	1.20E 01	6.28E 01	1.12E 02		

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

· AD	RO	N	MC	INIT	YI	UE

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	JU JE	LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRATE		PTION ** COR	FFICIENT *	****
		STATE		NUMBER	LENGTH	WIDTH			CM∗G	M— 1		
		ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
5 4	35 36	10871.18	1	1883.45	5.3094	0.0312	1.34E-02	1.33E 00	1.08E 01	3.31E 01	6.35E 01	9.43E 01
4 3		9552.46		1883.67	5.3088	0.0303	8.16E-02	4.33E 00	2.56E 01	6.49E 01	1.10E 02	1.49F 02
1 0		5863-14		1883.89	5.3082	0.0303	5.59E 00	5.06F 01	1.23E 02	1.84F 02	2.18E 02	2.30E 02
5 4		9668.25		1884.03	5.3078	0.0379	6.21E-04	3.47E-02	2.10E-01	5.41F-01	9.23E-01	1.26E 00
9 8		16732.56		1884.26	5.3071	0.0610	0.0	3.05E-03	1.01F-01	7.18F-01	2.42F 00	5.36E 00
	24 25			1884.38	5.3068	0.0437	2.38E-04	8.986-02	1.42E 00	6.46E 00	1.62E 01	2.90E 01
11 10	1 0	20248.94	-	1884.93	5.3052	0.0603	0.0	0.0	7.40E-04	8.74F-03	4.12E-02	1.16E-01
~ ′/ [*] है · · · [*] 7	18 19	15132.20		1885.08	5.3048	0.0552	2.41E-05	1.86E-02	4.18E-01	2.37E 00	6.83E 00	1.367 01
1 0		4291.95		1885.19	5.3045	0.0303	4.96E-01	2.11E 00	3.52E 00	4.17E 00	4.25E 00	4.02E 00
12 11		22254.96		1885.23	5.3044	0.0624	0.0	0.0	1.70E-03	2.67E-02	1.53E-01	4.94E-01
6 5	21 22	11114.98	_	1885.50	5.3036	0.0496	7.27E-05	8.155-03	6.98E-02	2.21F-01	4.33E-01	6.54E-01
T312		24509.65		1885.50	5.3036	0.0568	0.0	0.0	7.15E-04	1.56E-02	1.10E-01	4.18E-01
			_								1.73E-01	2.91F-01
<u>7</u> 6	15 16			1885.58	5.3034	0.0591	0.0	1.54E-03 3.09E-04	1.92E-02 1.53E-02	7.61E-02 .1.39E-01	5.48E-01	1.36E 00
				1885.64	5.3032						1.76E 00	2.18E 00
4 3 2 1		8212.45 5522.55		1885.76	5.3029	0.0326	4.79E-03	1.33E-01	5.69E-01	1.19E 00		
				1886.33	5.3013	0.0303	1.51F-01	1.165 00	2.59E 00	3.67E 00	4.21E 00	4.33E 00
21	49 50 37 38	6961.20		1886.47	5.3009	0.0303	2.09E 00	3.20E 01	1.02E 02	1.77E 02	2.34E 02	2.66E 02
			_	1886.52	5.3008	0.0303	3.04E-02	4.35F-01	1.34E 00	2.28E 00	2.97E 00	3.34E 00
65		12153.49		1886.86	5.2998	0.0340	2.10F→03	3.88E-01	4.28E 00	1.58F 01	3.42E 01	5.54E 01
3 2		8140.98		1888.08	5,.2964	0.0303	5.15E-01	1.39E 01	5.86E 01	1.21F 02	1.79F 02	2.20E 02
9 8				1888.23	5.2960	0.0617	0.0	2.95E-03	9.65E-02	6+82E-01	2.29E 00	5.06E 00
13 12		24571.17		1808.23	5.2960	0.0552	0.0	0.0	7.22F-04	1.59E-02	1.13E-01	4.30E-01
54	34 35	10738.94		1888.29	5,2958	0.0317	1.57E-02	1.48E 00	1.16E 01	3.48E 01	6.60E 01	9.71E 01
12 11		22286.09		1888.34	5.2957	0.0624	0.0	0 • 0	1.85E-03	2.92E-02	1.67E-01	5.43E-01
11 10	2 1	20252.43		1888.36	5.2956	0.0606	0.0	0.0	1.48E-03	1.75F-02	8.24E-02	2.33E-01
5 4		9569.48		1888.40	5.2955	89E0•0	6.92E-04	3.69F-02	2.18E-01	5.54E-01	9.36E-01	1.27E 00
4 3	39 40	9400.82		1888.69	5.2947	0.0303	9.92E-02	4.90E 00	2.79E 01	6.93E 01	1.15E 02	1.558 02
7 6		13552.03		1888.81	5.2943	0.0457	2.61E-04	9.43E-02	1.45E 00	6.55E 00	1.62E 01	2.90E 01
8 7		15063.96		1889.28	5.2930	0.0568	2.52E-05	1.88E-02	4.17F-01	2.34E 00	6.70E 00	1.33E 01
10 9	4 5	18394.55		1889.34	5.2929	0.0614	0.0	2.63E-04	1.30E-02	1.17E-01	4.52E-01	1.15E 00
1 0		5655.77		1889.41	5.2927	0.0303	7.41E 00	6.07E 01	1.41E 02	2.04F 02	2.37E 02	2.47E 02
7 6		12615.09		1889.53	5.2923	0.0597	0.0	1.53E-03	1.88E-02	7.39E-02	1.67E-01	2.80E-01
6 5		11037.95		1889.67	5.2919	0.0515	7.77E-05	8.39E-03	7.06E-02	2.21E-01	4.30E-01	6.46E-01
1 0		4117.99	2	1890.25	5.2903	0.0303	6.25E-01	2.44E 00	3.91E 00	4.53E 00	4.54E 00	4.24E 00
4 3	31 32	8095.19		1890.31	5,2901	0.0331	5.50E-03	1.45E-01	6.02E-01	1.23E 00	1.81E 00	2.22E 00
T3 "'12		24636.09		1890.93	5.2884	0.0535	0.0	0.0	7 • 27E-04	1.61E-02	1.16E-01	4.42E-01
2 1		5367.68		1891.22	5.2876	0.0303	1.85E-01	1.31E 00	2.84E 00	3.93E 00	4.44E 00	4.52E 00
3 2		6693.98		1891.25	5.2875	80E0•0	3.60E-0S	4.84E-01	1.44E 00	2.41E 00	3.09E 00	3.45E 00
12 11		22320.67		1891.40	5.2871	0.0625	0.0	0.0	1.98E-03	3.15E-02	1.81E-01	5.90E-01
6 5		12044.05	1	1891-48	5.2869	0.0359	2.38E-03	4.18E-01	4.49E 00	1.63F 01	3.49E 01	5.62E 01
11 10	3 2	20259.43		1891.75	5.2861	0.0609	0.0	2.87E-05	2.21E-03	2.62F-02	1.23E-01	3.49E-01
2 1		6773,78		1891.82	5.2859	0.0303	2.69E 00	3.77E 01	1.14E 02	1.94E 02	2.52E 02	2.82E 02
9 8		16643.52	1	1892.17	5.2849	0.0625	0.0	2.82E-03	9.14E-02	6.43E-01	2.14E 00	4.73E 00
5 4		9474.20	2	1892.75	542833	0.0418	7.65E-04	3.90E-02	2.26E-01	5.65E-01	9.46E-01	1.28E 00
10 9	3 4	18376.90		1893.01	5.2826	0.0611	0+0	2.14E-04	1.05E-02	9.48E-02	3.74E-01	9.28E-01
5 4	33 34	10610.31	, 1	1893.09	5.2824	0.0321	1.84E-02	1.63E 00	1.24E 01	3.66E 01	6.84E 01	9.98E 01
7 6		13465.12		1893.21	5.2820	0.0476	2.84E-04	9.84E-02	1.49E 00	6.62E 00	1.63E 01	2.89E 01
3 2	43 44	7973,35	1	1893.25	5.2819	0.0303	6.42E-01	1.60E 01	6.48E 01	1.31E 02	1.90E 02	2.31E 02
7 6	.13 14	12562.97	2	1693.45	5.2814	0.0604	0.0	1.50E-03	1.83E-02	7 • 1 2E-02	1.60E-01	2.67E-01
8 7	16 17	14999.30	1	1893.45	5.2814	0.0585	2.62E-05	1.90E-02	4.14E-01	2.30E 00	6.54E 00	1.29E 01
13 12	21 20	24704.41	1	1893.60	5.2809	0.0515	0.0	0.0	7.27E-04	1.63E-02	1.18E-01	4.52E-01
4 3	38 39	9252.79	1	1893.68	5.2807	0.0303	1,-20E-01	5.52E 00	3.04E 01	7.37E 01	1.21E 02	1.61E 02
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VÜ	٧L	Ju	JL	LOWER STATE	CDDE	WAVE	WAVE	HALF	******	* INTEGRATE			EFFICIENT *	******
				ENERGY		NUMBER CM-1	LENGTH MICRON	HTG1W SH	T = 1000	T = 1500	CM*GN T = 2000		T = 3000	T = 3500
12	11	12	11	22358.71		1894.44	5.2786	0.0617	0.0	0.0	2.11E-03	3.37E-02	1.95E-01	6.35E-01
4	3			7981.43		1894.84	5.2775	0.0335	6.29F-03	1.578-01	6.34E-01	1.28F 00	1.866 00	2.26E 00.
- 1	0		53	5452.01	1	1894.90	5.2773	0.0303	9.78F 00	7.27F 01	1.61E 02	2.26E 02	2.53F 02	2.64E 02
11	10	4	îз	20269.91		1895.10	5.2768	0.0611	0.0	3.80E-05	8.93E-03	3.47E-02	1.64E-01	4.64E-01
1	0		46	3947.55	2	1895.29	5.2762	0.0303	7.84F-01	2.82E 00	4.34E 00	4.90E 00	4.84F 00	4.46E 00
3	2			6561.53		1895.94	5.2744	0.0312	4.25E-02	5.36E-01	1.54E 00	2.54F 00	3.22E 00	3.55E 00
5	5			11938.21		1896.07	5.2741	0.0379	2.68F-03	4.48F-01	4.69E 00	1.68E 01	3.56E 01	5.69E 01
9	ë	-	10	16604.34		1896.08	5.2740	0.0624	0.0	2.676-03	8.57E-02	5.99E-01	1.99E 00	4.38E 00
	1		41	5216.33		1896.09	5.2740	0.0303	2.24F-01	1.49E 00	3.10F 00	4.20F 00	4.68E 00	4.71F 00
13				24776.12		1896+22	5+2736	0.0496	0.0	0.0	7.24E-04	1.64F-02	1 • t 9F-01	4.60F-01
	9		3	18362.78		1896.65	5.2725	0.0609	0.0	1.63E-04	7.98E-03	7.19E-02	2.83E-01	7.02E-01
5	4			9382.42		1897.07	5.2713	0.0437	8.41E-04	4.11E-02	2.33F-01	5.74E-01	9.54E-01	1.285 00
·····	·	47		6589.98		1897.13	5.2711	0.0303	3.44F 00	4.41E 01	1.28E 02	.2.12E 02	2.70F 02	2.99E 02
	11		13 12	12514.32		1897.34	5.2705	0.0610	0.0	1.47E-03	1.76E-02	~6.82F-02	1.53E-01	2.54E-01
12	* =			13381.82		1897.43	5.2703	0.0610	0.0	0.0	2.22E-03	3.57E-02	2.07F-01	6.78F-01
8	7			14938.22		1897.58 1897.59	5.2699 5.2698	0.0496 0.0591	3.06E-04	1.02E-01 1.90E-02	1.51E 00	6.66E 00	1.62E 01	2.87E 01
···				10485.30		1897.87	5.2691	0.0326	2.69E-05 2.14E-02	1.78E 00	4.08E-01 1.32F 01	2.24F 00 3.82F 01	7.07E 01	1.25F 01 1.02E 02
6	5			10894.32		1897.91	5.2690	0.0552	8.68E-05	8.75E-03	7.12E-02	2.18E-01	4.19E-01	6.23F-01
246 11				7809.34		1898.39	5.2676	0,0303	7.96E-01	1.84E 01	7.15E 01	1.41E 72	2.02E 02	2.43F 02
11	10		4	20283.89		1898 42	5.2675	0.0614	0.0	4.69E-05	3 64E-03	4.32F-02	2.04E-01	5.78E-01
4	* · · · · · · · · · · · · · · · · · · ·		38	9108.38		1898.64	5.2669	0.0303	1.44E-01	6.19E 00	3.29E 01	7.83E 01	1.27F 02	1.67E 02
13				24851.22		1898.81	5.2665	0.0476	0.0	0.0	7.18F-04	1.64F-02	1.21E-01	4.67F-01
4	3			7871.18		1899.33	5.2650	0.0340	7.14E-03	1.69E-01	6.66E-01	1.32F 00	1.90F 00	2.30E 00
9	8	8	9	16568.71		1899.95	5.2633	0.0624	0.0	2.49E-03	7.93E-02	5.52E-01	1.83F 00	4.01E 00
Ϋ́Io	··· g	~~ `1`	~ ~ ž~	18352.19	1	1900.25	5.2625	0.0606	0.0	1.10E-04	5.37E-03	4 .83F-02	1.90F-01	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1	0		45	3780.65	2	1900.30	5.2623	0.0303	9.77E-01	3.25E 00	4.80E 00	5.30E 00	5.14E 00	4.69E 00
· · · · · · · · · · · · · · · · · ·	` 0	51	52	5251.89	1	1900.36	5.2622	0.0303	1.28F 01	8.67E 01	1.83F 02	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2.79E 02	S 85E 05
12			13	22445.13		1900.39	5.2621	0.0604	0.0	0.0	2.32E-03	3.76E-02	2.19E-01	7.18E-01
3	2		35	6432.60		1900.61	5.2615	0.0317	4.98E-02	5.91E-01	1.65F 00	2.66F 00	3.34E 00	3.65F 00
	J 5		27	11835.99		1900.63	5.2614	0.0398	3.00E-03.	4.77E-01	4.88F 00	1.72F 01	3.62E 01	5.74F 01
ž'	i			5068.50		1900.93	5.2606	0.0303	2.71E-01	1.67F 00	3.37E 00	4.47E 00	4.91F 00	4.90F 00
	6		12	12469.13		1901.21	5.2598	0.0617	0.0	1.42E-03	1.68F-02	6.47E-02	1.45E-01	2.39E-01
13			23	24929.71		1901.35	5.2594	0.0457	0.0	0.0	7.09E-04	1.645-02	1.215-01	4.72F-01
	<u>4</u>			9294.14		1901.36	5.2594	0.0457	9.19E-04	4.30F-02	2.39E-01	5.92F-01	9.58E-01	1.28E 00
	7			14880.71		1901.70	5.2585	0.0597	2.75E-05	1.88F-02	4.00E-01	2.18F 00	6 • 14F 00	1.20F 01
7	6			20301.37		1901.71	5-2584	0.0617	0.0	5.54E-05	4_32E-03_	_5.14F-02.	2.44E-01	6.90E-01
	5			13302.10		1901.91	5.2579	0.0515	3.29E-04	1.06E-01	1.53E 00	6.67E 00	1.625 01	2.84E 01
, 6	<del>1</del>			10827.74		1901.99	5.2577	0.0568	9.06F-05	8.86E-03	_ 7.09E-02	2.16F-01	4 - 11E-01	6.09F-01
5	4		32	10363.92		1902.42	5.2559	0.0303	4.37E 00 2.48E-02	5.15E 01 1.95E 00	1.43F 02	2.31F 02	7.28E 01	3.17E 02
12				22493.51		1903.31	5.2540	0.0331	0.0	.0.0	1.40E 01 2.40E-03	3.99F 01	2.295-01	1.05F 02 7.55E-01
3	2		42	7648.97		1903.50	5.2535	0.0303	9.82E-01	2.10F 01	7.86E 01	1.516 02	2.138 02	2.54E 02
* *, =:-4	` "" - 3			8967.61		1903.57	5.2533	0.0308	1.72E-01	# 5 9 ZE 00"	3.56F 01	"8.29F 01"	1.33E 02	1.73E 02
9	8			16536.64		1903.79	5.2527	0.0623	0.0	2.29F-03	7.23E-02	5.00E-01	1.65F 00	3.62E 00
,4	3			7764.45		1903.80	5.2527	0.0359	8.07F-03	1.81E-01	6.97E-01	1.36E 00	1.94F 00	2.33E 00
10	9		1	18345.12		1903.81	5.2526	0.0603	0.0	5.55E-05	2.70E-03	2.43F-02	9.55F-02	2.37E-01
13	Ĩ 2	25	24	25011.59		1903.86	5.2525	0.0437	0.0	0.0	6.97F-04	1.635-02	1.22E-01	4.76E-01
11	10	7	6	20322.34		1904.96	5.2495	0.0620	0.0	6.356-05	4.97E-03	5.93E-02	2.82F-01	8.00E-01
7	' 6		11"	12427.41		1905.04	5.2492	0.0625	0.0	1.35F-03	1.595-02	6.09E-02	1.36E-01	2.24F-01
6	5			11737.38		1905.15	5.2489	0.0418	3.34E-03	5.06E-01	5.06F 00	1.76E 01	3.66E 01	5.78E 01
· ′ ′ " 3	2	33	34	6307.19		1905.26	5.2486	0.0321	5.80E-02	6.49F-01	1.76E 00	2.79F 00	3.45E 00	3.75F 00
1	0	43	44	3617.28		1905.28	5.2486	0.0303	1.21F 00	3.73E 00	5.30E 00	5.71E 00	5.45E 00	4.92E 00
* ****						<del></del>								

A THE PROPERTY OF A

- VU	) i <b>V</b> i	L . JN	· - 1	L LOVER	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORI CM*G		EFFICIENT *	******
				ENERGY		CH-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 350
5		<b>6</b> ; 21				1905.62	5-2476	0.0476	9.97E-04	4.48E-02	2+44E-01	5.87E-01	9.59E-01	1.27E 0
*		1 36				1905.75	5.2473	0.0303	3.26E-01	1.88E 00	3.66E 00	4.75E 00	5.15E 00	5.08E 0
		7 13				1905.77	5.2472	0.0604	2.78E-05	1.85E-02	3.89E-01	2.10E 00	5.90E 00	1.15E 0
1		9 50				1905.79	5.2472	0.0303	1.67E 01	1.03E 02	2.07E 02	2.75E 02	3.02E 02	3.01E 0
6		5 16				1906.04	5.2465	0.0585	9.39E-05	8.90E-03	7.03E-02	2.12E-01	4.02E-01	5.92E-0
12			_			1906.20	5.2460	0.0591	0.0	0.0	2.47E-03	4.06E-02	2.39E-01	7.90E-0
		5 19				1906.21	5.2460	0.0535	3.50E-04	1.08E-01	1.55E 00	6.66E 00	1.60E 01	2.80E 0
13						1906.33	5-2457	0.0418	0.0	0.0	6.83E-04	1.62E-02	1.22E-01	4.79E-0
		30				1907.33	5.2429	0.0335	2.85E-02	2.12E 00	1.48E 01	4.14E 01	7.49E 01	1.07E 0
9		8 6		7 16508.13		1907.60	5.2422	0.0620	0.0	2.06E-03	6.47E-02	4.46E-01	1.47E 00	3.21E 0
2		45				1907.68	5.2420	0.0303	5.53E 00	5.99E 01	1.60E 02	2.51E 02	3.09E 02	3.34E 0
11	1					1908-17	5.2406	0.0623	0.0	7.10E-05	5.59E-03	6.70E-02	3.19E-01	9.07E-0
		3 27				1908.24	5.2404	0.0379	9+06E-03	1.94E-01	7.27E-01	1.40F 00	1.97E 00	2.35E 0
-		3 35				1908.47	5.2398	0.0312	2.04E-01	7.70E 00	3.83E 01	8.75E 01	1.38E 02	1.78E C
3		2 40 2 27				1908-58	5.2395	0.0303	1.20E 00	2.38E 01	8.61E 01	1.62F 02	2.25E 02	2.65E 0
13	1	2 21 5 9				1908.77	5.2390	0.0398	0.0	0.0	6.66E-04	1.60E-02	1.21E-01	4.80E-0
<u>12</u>	1					1908.84	5.2388	0.0624	0.0	1.28E-03	1.49E-02	5.67E-02	1.26E-01	2.07E-0
6		5 24				1909.04	5.2382	0.0585	0.0	0.0	2.53E-03	4.19E-02	2.48E-01	8.22E-0
8		7 12				1909.65	5.2366	0.0437	3.69F-03	5.35E-01	5.22E 00	1.79E 01	3.70E 01	5.79E 0
5						1909.81	5.2361	0.0610	2.78F-05	1.81F-02	3.75E-01	2.02E 00	5.63E 00	1.09E
3		21 2 32				1909.85	5.2360	0.0496	1.07E-03	4.65E-02	2.48E-01	5.90E-01	9.56E-01	1.26E 0
5		5 15				1909.87	5,2360	0.0326	6.73E-02	7.09F-01	1.87E 00	2.91F 00	3.56E 00	3483€ 0
<u>-</u> -		3 42				1910.06	5.2354	0.0591	9.65E-05	8.89E-03	6.92E-02	2.07E-01	3.90E-01	5.72E-0
7		5 18				1910.24	5.2349	E0E0.0	1.49E 00	4.26E 00	5.83E 00	6.13E 00	5.77E 00	5.16E
						1910.49	5.2343	0.0552	3.70E-04	1.11F-01	1.55E 00	6.61E 00	1.58E 01	2.74E 0
10		) 1		18341.60		1910.84		0.0303	3.90E-01	2.105 00	3.95E 00	5.04E 00	5.38E 00	5.27E (
13	12					1911.16	5.2333	0.0603	0.0	5.59E-05 0.0	2.72E-03 6.47E-04	2.44F-02	9.60E-02	2.38E-0
1		49				1911.20	5.2323	0.0379	2.17E 01			1.58E-02	1.20E-01	4.80E-0
<u>: i</u>	10					1911.34	5.2319	0.0624	0.0	1.22E 02 7.78E-05	2.34E 02	3.02E 02	3.26E 02	3.21E C
9		3 5	ì			1911.37	5.2318	0.0617			6.17E-03	7.43E-02	3.55E-01	1.01E 0
12	~~ <u>ı</u>					1911.85	5.2305	0.0568	0.0	1.81E-03 0.0	5.66F-02 2.57E-03	3.89F-01 4.29E-02	1.28E 00	2.79E 0
5		29				1912.02	5.2301	0+0340	3.26E-02	2.29E 00	1.56E 01	4.29E 01	2.55E-01	8.51E-0
<del></del> -		5 8				1912.60	5.2285	0.0624	0.0	1.19E-03	1.38F-02	5.22E-02	7.67F 01	1.08E 0
4		26				1912.65	5.2283	0.0398	1.01F-02	2.06F-01	7.55E-01	1.44E 00	1.15E-01	1.90E-0
·- · <u>2</u> -						1912.91	5.2276	0.0303	6.95E 00	6.93E 01	1.78E 02	2.73F 02	2.00E 00 3.30E 02	3.53E C
4		3 / 34				1913.34	5.2265	0.0303	2.41F-01	8.52E 00	4.11E 01	9.22E 01	1.44E 02	1.84E 0
""" 133°			2			1913.51	5.2260	0.0359	0.0	0.0	6 26F-04	1.55F-02	1.19E-01	4.79E-0
3		2 39	40			1913.63	5.2257	0.0303	1.47E 00	2.70E 01	9.40F 01	1.73E 02	2.37E 02	2.77E
8	7					1913.82	5.2252	0.0617	2.75E-05	1.75E-02	3.59E-01	1.92E 00	5.33F 00	1.03E
6		5 14				1914.04	5.2246	0.0597	9.82E-05	8.82E-03	6.77F-02	2.01F-01	3.76E-01	5.505-0
· ş ·			2			1914.05	5.2245	0.0515	1.15E-03	4.79E-02	2.51E-01	5.90F-01	9.50E-01	1.25E C
6	5		2			1914.11	5.2244	0.0457	4.05F-03	5.62E-01	5.37E 00	1.82E 01	3.72F 01	5.79E 0
~~ ~~ 170°°	<u></u>		1			1914.30	5.2238	0.0606	0.0	1.12E-04	5.44F-03	4.89E-02	1.92E-01	4.776-0
3	2	2 31	32			1914.46	5.2234	0.0331	7.75E-02	7.72E-01	1.98E 00	3.03E 00	3.66E 00	3.91E 0
11	10					1914.48	5.2233	0.0624	0.0	8.40E-05	6.72E-03	8.12F-02	3.89E-01	1.11E 0
12	11		18			1914.63	5.2229	0.0552	0.0	0.0	2.60E-03	4.38E-02	2.62E-01	8.77E-0
7		17	18			1914.73	5.2227	0.0568	3.87E-04	1.12E-01	1.55E 00	6.53E 00	1.55E 01	2.68E 0
9	ε			16461.79		1915.11	5.2216	0.0614	0.0	1.54F-03	4.80E-02	3.29E-01	1.08F 00	2.35E 0
i-	~~~~	741	42			1915.16	5.2215	0.0303	1.83E 00	4.84E 00	6.38E 00	6.57E 00	6.10E 00	5.39E 0
2	1					1915.29	5.2211	0:0308	4.64E-01	2.34E 00	4.26E 00	5.32E 00	5.61E 00	5,44E 0
13	12		29			1915.83	5.2197	0.0340	0.0	0.0	6.04F-04	1.51E-02	1.18E-01	4.76E-0
						1916.34	5.2183	0.0623	0.0	1.095-03	1.26E-02			

	VU	٧L	JÜ	JL	LOWER	CODE	WAVE	WAVE	₹ HALF	******	* INTECRATI			EFFICIENT *	*****
					STATE		NUMBER	LENGTH	WIDTH			CM*G!			
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	1	0	48	49	4673.40	1	1916.58	5.2176	0.0303	2.80E 01	1.43E 02	2.64E 02	3.31E 02	3.51F 02	3.41E 02
	5	4	28	29	10021.54	1	1916.67	5.2174	0.0359	3.70F-02	2.47E 00	1.63E 01	4.43F 01	7.85E 01	1.10E 02
	4	3	2S	26	7465.39	2	1917.03	5.2164	0.0418	1.125-02	2.185-01	7.82E-01	1.47E 00	2.03F 00	2.38E 00
	12	21	20	19	22787.05	i	1917.36	5+2155	0.0535	0.0	0.0	2.61E-03	4.44F-02	2.69E-01	9.00E-01
	11	10	11	10	20441.12	1	1917.59	5.2149	0.0625	0.0	8.95F-05	7.22E-03	9.77E-02	4.22E-01	1.21E 00
	10	9	3	2	18352-19	1	1917.72	5.2145	0.0609	0.0	1-66E-04	8.13E-03	7.32F-02	2.88E-01	7 - 1 4E-01
	8	7	10	11	14686.54	1	1917.80	5.2143	0.0625	2.68E-05	1.68E-02	3.40E-01	1.81F 00	5.00E 00	9.65E 00
	6	5	13	14	10596.32	2	1918.00	5.2138	0.0604	9.90E-05	8.67E-03	6.58E-02	1.945-01	3.615-01	5.26E-01
	13	12	31	30	25573.73	1	1918.10	5.2135	0.0335	0.0	0.0	5.80E-04	1.48F-02	1.16E-01	4.72E-01
	2	1	E4	44	5891.22	1	1918.12	5.2134	0.0303	8.69E 00	7.99E 01	1.97E 02	2.95E 02	3.51E 02	3.71E 02
	4	3	33	34	8567.12	1	1918.18	5.2133	0.0321	2.83E-01	9.40E 00	4.40F 01	9.67F 01	1.49E 02	1.89E 02
	5	4	19	20	8976.10	2	1918.22	5.2132	0.0535	1.22E-03	4.91F-02	2.53E-01	5.88E-01	9.41E-01	1.23E 00
	6	5	22	23	11463.27		1918.55	5.2123	0.0476	4.41F-03	5.87E-01	5.50E 00	1.84E 01	3.73E 01	5.77F 01
	3	2	38	39	7189.73		1918.66	5.2120	0.0303	1.78F 00	3.05E 01	1.02E 02	1.85F 02	2.49F 02	2.88E 02
	9	8	3	4	16443.96		1918.81	5.2116	0.0611	0.0	1.26E-03	3.89E-02	2.66F-01	8.72E-01	1.90E 00
	7	6	16	17	13019.29	1	1918.93	5.2112	0.0585	4.03F-04	1.13E-01	1.54E 00	6.42E 00	t . 52E 01	2.61F 01
	3	2	30	31	5952.17		1919.01	5.2110	0.0335	8.87E-02	8.37E-01	2.08E 00	3.14E 00	3.76E 00	3.99E 00
	. 2	1	35	36	4512.58		1920.02	5.2083	0.0312	5.48E-01	2.59E 00	4.57F 00	5.61F 00	5.94E 00	5.61E 00
	7	6	6	7	12295.25	2	1920.04	5.2082	0.0620	0.0	9.85F-04	1.125-02	4.22F-02	9.28E-02	1.52E-01
3	12	11	21	20	22856.06	1	1920.06	5.2082	0.0515	0.0	0.0	2.61E-03	4.49F-02	2.72E-01	9.20E-01
5	,1	0	40	41	3148.44	2	1920.07	5.2081	0.0303	2.23E 00	5.48E 00	6.98E 00	7.03E 00	6.42E 00	5.62F 00
	13	12	32	31	25679.20	1	1920.34	5+2074	0.0331	0.0	0.0	5.55E-04	1.43F-02	1.145-01	4.67E-01
	11	10	12	11	20479.54	1	1920.65	5.2066	0.0617	0.0	9.43E-05	7.67E-03	9.37E-02	4.52E-01	1.30E 00
	10	9	4	3	18362.78	1	1921.11	5.2053	0.0611	0.0	2.20E-04	1.08E-02	9.72F-02	3.83E-01	9.51F-01
	5	4	27	28	9914.69	1	1921.30	5.2048	0.0379	4.17E-02	2.65E 00	1.71E 01	4.57E 01	8.00E 01	1.11E 02
	4	3	24	25	7372.76	2	1921.38	5.2046	0.0437	1.23E-02	2.30F-01	8.06F-01	1.49E 00	2.04F 00	2.39E 00
	8	7	9	10	14646.97	1	1921.74	5.2036	0.0624	2.59E-05	1.596-02	3.19F-01	1.68F 00	4.64F 00	8.93E 00
	6	5	12	13	10547.20		1921.92	5.2031	0.0610	9.89E-05	8.46E-03	6.34E-02	1.85F-01	3.44F-01	5.00E-01
	, 1	0	47	48	4487.89	1	1921.93	5.2031	0.0303	3.59E 01	1.68E 02	2.96E 02	3.62F 02	3.77E 02	3.62E 02
	5	4	18	19	8905.38	2	1922.36	5.2019	0.0552	1.29E-03	5.00E-02	2.53E-01	5.84E-01	9.27E-01	1.20E 00
	9	8	2	3	16429.71	1	1922.48	5.2016	0.0609	0.0	9.59E-04	2.96E-02	2.02E-01	6.60E-01	1.44F 00
	13	12	33	32	25788.01	1	1922.54	5.2015	0.0326	0.0	0.0	5.30E-04	~~i~39E-02′	1.12E-01	4.61E-01
	12	11	22	21	22928.51	1	1922.72	5.2010	0.0496	0.0	0.0	2.60E-03	4.52F-02	2.76F-01	9.37E-01
	6	5	21	2,2	11379.15	1	1922.95	5.2003	0.0496	4.77F-03	6.10E-01	5.60E 00	1.85E 01	3.72E 01	5.73E 01
	4	_ 3	32	33	8440.93		1922.99	5.2002	0.0326	3.30F-01	1.03E 01	4.68E 01	1.01E 02	1.54E 02	1.94E 02
	7	6	15	16	12957.61	1	1923.11	5.1999	0.0591	4.15E-04	1.13E-01	1.52E 00	6.28E 00	1.47F 01	2.53F 01
	2	1	42	43	5725.68		1923.29	5.1994	0.0303	1.08F 01	9.18F 01	2.17E 02	3.18F 02	3.72E 02	3.89E 02
	3	2	29	30	5840.91		1923.54	5.1987	0.0340	1.01F-01	9.03E-01	2.19E 00	3.25E 00	3.85E 00	4.05F 00
	3	2	37	38	7043.96		1923.65	5.1985	0.0303	2.14F 00	3.42E 01	1.11E 02	1.96E 02	2.61E 02	2.99F 02
	11	10	13	12	20521.44		1923.68	5.1984	0.0610	0.0	9.82E-05	ี่อิ∙อังE−ืoਤ	9.93E-02	4.81E-01	1.39E 00
	7	6_	5	6_	12270.90		1923.72	5.1983	0.0617	0.0	8.66F-04	9.82E-03	3.68F-02	8.06E-02	1.32E-01
	10	9	- 6	4	1837,6.90		1924.47	5.1962	0.0614	0.0	2.72E-04	1.34E-02	1.21E-01	4.76E-01	1.18E 00
	13	12	34	33	25900.18		1924.69	5.1956	0.0321	0.0	0.0	5.04E-04	1.34F-02	1.09E-01	4.54F-01
	2	1	34	35	4382.47		1924.72	5.1956	0.0317	6.43E-01	2.86E 00	4 89E 00	5.89E 00	6.06F 00	5.77E 00
	1	0	39	40	2999-27		1924.94	5.1950	0.0303	2.70F 00	6.19E 00	7.60E 00	7.49E 00	6.75E 00	5.85E 00
	12	11	23	22	23004.38		1925.34	5 • 1939	0.0476	0.0	0.0	2.58E-03	4.53E-02	2.78E-01	9.50E-01
	8	. 7	8	9	14610.99		1925.65	5.1931	0.0624	2.45E-05	1.48E-02	2.95E-01	1.55E_00	4.26F 00	8.18F 00
		3	23	24	7283.66		1925.70	5.1929	0.0457	1.35E-02	2.41E-01	8.27E-01	1.51F 00	2.05F 00	2.38E 00
	6	. 5	11	12	10501.59		1925.82	5.1926	0.0617	9.76E-05	8.17E-03	6.06E-02	1.76F-01	3.26E-01	4.72F-01
	5	4	26	27	9811.48		1925.89	5.1924	0.0398	4.68E-02	2.82E 00	1.78E 01	4.69E 01	8.13E 01	1.12E 02
	9	8	1	. 2	16419.01		1926.12	5.1918	0.0606	0.0	6.47E-04	1.99E-02	1.36F-01	4.43E-01	9.64E-01
			~ ~~~		~~~~~~~~~~	:		· ~~_ · TZ ZZ	0 0569		~~~~~~~~~	~ ~ ~~~~~~	5.76E-01	9.09E-01	
	5 11	10	17 14	18	8838.17	2	1926.47	5.1908	0.056B	1.34E-03	5.07E-02	2.52E-01	2.105-01	A. 0AE-01	1.17F 00

	/0	VL.	"Jū	JL	LOWER State	CODE	WAVE NUMBER	WAVE	HALF	******	** INTEGRATE			EFFICIENT *	*****
- '					ENERGY		CM-1	MICRON	H2 H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
1		12	35	34	26015.68	1	1926.81	5.1899	0.0317	0.0	0.0	4.78E-04	1.30E-02	1.06E-01	4.46E-01
	7	6	14	15	12899.54	1	1927.25	5.1887	0.0597	4.24F-04	1.125-01	1.49E 00	6.10E 00	1.42E 01	2.43E 01
	1	0	46	47	4306.05		1927.25	5.1887	E0E0.0	4.57E 01	1.97E 02	3.31F 02	3.95E 02	4.04E 02	3.83E 02
•	6	5	20	21	11298.67		1927.32	5.1886	0.0515	5.12E-03	6.30E-01	5.68E 00	1.85E 01	3.71E 01	5.67E 01
	7	. 6	4	5_	12250.03	2	1927.36	5.1884	0.0614	0.0	7.38F-04	8.32E-03	3.11E-02	6.80E-02	1.11E-01
	4	3	31	32	8318.38		1927.78	5.1873	0.0331	3.83E-01	1.13E 01	4.97E 01	1.06E 02	1.59E 02	1.98E 02
	2	. <u>9</u>	. 6	5	18394.55		1927.79	5.1873	0.0617	0.0	3.21E-04	1.59E-02	1.44E-01	5.68E-01	1.41E 00
		17"	24	23	23083.67		1927.92	5.1869	0.0457	0.0	0.0	2.54E-03	4.52E-02	2.80E-01	9.61E-01
	$\frac{3}{2}$	2 1	28 41	-29 -42	5733.20 5563.80		1928.04	5.1866	0.0359	1.14F-01	9.70F-01	2.29E 00	3.36E 00	3.93E 00	4.10E 00
	3	2	36	42 37	6901.85		1928.44	5.1855	0.0303	1.33F 01	1.05E 02	2.39E 02	3.42E 02	3.94E 02	4.08E 02
		12	-36	35	26134.53		1928.89	5.1851	0.0308	2.56E 00	3.83E 01	1.20E 02	2.08E 02	2.73E 02	3.09E 02
		1	33	34	4255.91	2	1929.40	5.1830	0.0312	7.51E-01		4.52E-04	1.25E-02	1.03E-01	4.38E-01
- 10	2	• •	77		14578.61		1929.52	5.1826	0.0623	2.29E-05	3.15E 00 1.36E-02	5.22E 00 2.69E-01	6.17E 00	6.27E 00 3.85E 00	7.39E 00
		10	15	14	20615.70	î	1929.63	5.1823	0.0597	0.0	1.04E-04	8.73E-03	1.09F-01	5.32E-01	1.54E 00
	6 -	-5-	10	11	10459.48		1929.68	5.1822	0.0625	9.52E-05	7.81E-03	5.74E-02	1.66E-01	3.05E-01	4.41E-01
	9	8	0	1	16411.88	1	1929.72	5.1821	0.0603	0.0	3.26F-04	1.00E-02	6.82E-02	2.23E-01	4.84E-01
	ī.~	0	38	39	2853.67	2	1929.79	5.1819	0.0303	3.25E 00	6.95E 00	8.25E 00	7.97E 00	7.08E 00	6.07E 0
	4	3	22	23	7198.11	2	1930.00	5.1813	0.0476	1.46E-02	2.51E-01	8.45E-01	1.52E 00	2.06E 00	2.37E 00
~	5	4	25	26	9711.93	1	1930.45	5.1801	0.0418	5.21E-02	3.00F 00	1.85E 01	4.79E 01	8.24E 01	1.13E 02
		11	25	24	23166.39	1	1930.46	5.1801	0.0437	0.0	0.0	2.50E-03	4.49E-02	2.81E-01	9.69E-0
	5	4	16	17	8774.49	2	1930.55	5.1799	0.0585	1.39E-03	5.10E-02	2.50E-01	5.66E-01	8.88E-01	1.14E 0
. 1	3	12	37	36	26256.71	1	1930.92	5.1789	0.0308	0.0	0.0	4.25E-04	1.19E-02	1.00E-01	4.28E-01
	7	6	3	4	12232.63	2	1930.97	5.1787	0.0611	0.0	6.01E-04	6.76E-03	2.52E-02	5.50E-02	8.97E-0
1	0	9	7	6	18415.73	1	1931.07	5.1785	0.0620	0.0	3.68E-04	1.83E-02	1.66E-01	6.57E-01	1.64E 00
	7	6.2	13	14	12845.10	1	1931.36	5.1777	0.0604	4.28E-04	1.11E-01	1.45E 00	5.89E 00	1.37E 01	2.33E 0
	6	. 5	19	_20 _	11221.82	1	1931.66	5.1769	0.0535	5.46E-03	6.48E-01	5.73E 00	1.85E 01	3.67E 01	5.59E 0
	3		27	28	5629.04	2	1932.52	5.1746	0.0379	1.28E-01	1.04E 00	2.39E 00	3.45E 00	4.00E 00	4.15E 00
	<u> </u>	3	30	31	8199.50		1932.53	5.1746	0.0335	4.40E-01	1.23E 01	5.26E 01	1.10F 02	1.63E 02	2.02E 0:
1	1	10	16	15	20668.05		1932.55	5.1745	0.0591	0.0	1.05E-04	8.98E-03	1.13E-01	5.55E-01	1.61E 0
·	<u>.</u>	- <u>-</u> -	45	46	4127.89	!	1932.55	5.1745	0.0303	5.79E 01	2.29E 02	3.70E 02	4.30E 02	4.33E 02	4.05E 0
		12 11	38 26	37 25	26382.21 23252.52	1	1932.92	5.1735	0.0303	0.0	0.0	3.99E-04	1 - 1 4E-02	9.71E-02	4.18E-0
	<u></u>	<del></del>			14549.82	<del>1</del>	1933.36	5.1734	0.0418	0.0	0.0	2.44E-03	4.45E-02	2.81E-01	9.74E-0
	6	5	9	10	10420.87	2	1933.51	5.1723	0.0624	2.09E-05 9.17E-05	1.23E-02 7.39E-03	2.41E-01 5.38E-02	1.25E 00	3.43E 00	6.56F 0
	э Э	2	35	36	6763.42		1933.55	5.1718	0.0312	3.04E 00	4.26E 01	1.29E 02	1.54E-01 2.20E 02	2.84E-01 2.85E 02	4.08E-0
	2	1	40	41	5405.60	ī	1933.56	5.1718	0.0303	1.64F 01	1.20E 02	2.62E 02	3.66E 02	4.17E 02	3.20E 0:
	2	- <u>-</u> -	32	~ <del>````</del>	4132.93		1934.05	5.1705	0.0326	8.72F-01	3.44E 00	5.55E 00	6.45F 00	6.48E 00	6.06E 0
	4	3	21	22	7116.09	2	1934.26	5.1699	0.0496	1.58E-02	2.61E-01	8.59E-01	1.53E 00	2.05E 00	2.36E 0
T	ō	<u>9</u>	8	7	18440.43	1	1934.32	5.1698	0.0623	0.0	4.11E-04	2.05E-02	1.87E-01	7.44E-01	1.86E 0
	7	6	2	3 '	12218.71	2	1934.54	5.1692	0.0609	0.0	4.58E-04	5.13E-03	1.91E-02	4.16E-02	6.78E-0
	5	4	15	16	8714.33	2	1934.60	5.1690	0.0591	1.43E-03	5.09E-02	2.46E-01	5.535-01	8.62E-01	1.11E 00
	1	0	37	38	2711.64	2	1934.61	5.1690	0.0303	3.90E 00	7.78E 00	8.92F 00	8.45E 00	7.41E 00	6.29E 0
		12	39	38	26511.04	1	1934.88	5.1683	0.0303	0.0	0.0	3.74F-04	1.09F-02	9.37E-02	4.075-01
	5	4	24	25	9616.03	1	1934.99	5.1680	0.0437	5.76E-02	3.17E 00	1.91E 01	4.89E 01	8.32E 01	1.14E 02
		11	27	26	23342.06		1935.43	5.1668	0.0398	0.0	0.0	2.38E-03	4.40E-02	2.79E-01	9.76E-0
	7 	6	12	13	12794.27	1	1935.43	5.1668	0.0610	4.29F-04	1.08E-01	1.40E 00	5.65E 00	1.30E 01	2.21E 0
ī		10	17	16	20723.88		1935.44	5.1668	0.0585	0.0	1.06E-04	9-18E-03	1.16E-01	5.75E-01	1.68E 0
	6	<u>.</u> 5	18	19	11148.61	1	1935.97	5.1654	0.0552	5.77E-03	6.62E-01	5.75E 00	1.84F 01	3.62E 01	5.49E 0
1	3	12	40	39	26643.18	1	1936.79	5.1632	0.0303	0.0	0.0	3.49E-04	1.04E-02	9.03E-02	3.96E-01
	y 	8_	1	<u> </u>	16408.32	_1	1936.81	5.1631,	0.0603	0.0 - , , ,	3.29E-04	1.01E-02	6.86E-02	2.24E-01	4.87E-01
	3	2	26	27	5528.43	2	1936.96	5.1627	0.0398	1.43F-01	1.11E 00	2.49E 00	3.54E 00	4.06E 00	4.18E 00
	8	7	5	6	14524.62	1	1937-17	5.1622	0.0617	0.0	1.08E~02	2.11E-01	1.09E 00	2.98E 00	5.69E 00

"VU" "VL "JU" "J	L' "LOWER" "TO STATE	ODE WAVE	WAVE LENGTH	HALF WIDTH	******	* INTEGRATI	TO ** Ansora		ÈFFICTENT"*	******
*	ENERGY	CM-1	MICRON	на	T = 1000	T = 1500		T = 2500	τ"= 3000	T = 3500
4 3 29 3		1 1937.25	5.1620	0.0340	5.04F-01	1.33E 01	5.54F 01	1.14F_02	1.67E 02	2.06E 02
6 5 8		2 1937.31	5.1618	0.0624	8-695-05	6.89E-03	4.97E-02	1.42F-01	2.60E-01	3.74F-01
	8 18468.66	1 1937.53	5.1612	0.0624	0.0	4.51E-04	2.27F-02	2.08F-01	8 • 27E-01	2.07E 00
1 0 44 4 12 11 28 2		1 1937.82	5.1604	0.0303	7.30F 01	2.66F 02	4.11E 02	4.67E 02	4.62E 02	4.27E 02
		1 1937.86 2 1938.09	5.1603	0.0379	0.0	0.0	2.31E-03	4.33F-02	2.77E-01	9.76F-01
11 10 18 1		2 1938.09 1 1938.28	5.1597 5.1592	0.0606	0.0	3.09E-04	3.45E-03	1.28E-02	2.79E-02	4.55F-02
3 2 34 3		1 1938.46	5.1587	0.0568	0.0 3.60E 00	1.06E-04 4.72E 01	9.33E-03 1.39E 02	1.19F-01 2.32E 02	5.93E-01 2.96F 02	1.74E 00 3.29F 02
4 3 20 2		2 1938.49	5.1587	0.0517	1.69E-02	2.69F-01	8.70E-01	1.545.00	2.04E 00	2.33E 00
5 4 14 1		2 1938.62	5.1583	0.0597	1.46E-03	5.05E-02	2.41E-01	5.37F-01	8.33E-01	1.06E 00
2 1 39 4		1 1938.64	5.1583	0.0303	2.00F 01	1.36E 02	2.87E 02	3.92F 02	4.39E 02	4.44E 02
2 1 31 3		2 1938.67	5.1582	0.0331	1.01€ 00	3.75E 00	5.88E 00	6.71E 00	6.67E 00	6+19E 00
13 12 41 4		1 1938.67	5.1582	0.0303	0.0	0.0	3.25E-04	9.93F-03	8.68E-02	3.84E-01
1 10 36 3		2 1939.40	5.1562	0.0308	4.64E 00	8.67E 00	9.62E 00	8.93E 00	7.73E 00	5.50E 00
7 6 11 1	2 12747.07	1 1939.48	5.1560	0.0617	4.24E-04	1.05E-01	1.34E 00	5.37E 00	1.23E 01	2.09E 01
5 4 23 2	4 9523.78		5.1560	0.0457	6.33E-02	3.33E 00	1.96F 01	4.96= 01	8.37E 01	1.14E 02
6 5 17 1	8 11079.05	1 1940.24	5.1540	0.0568	6.05E-03	6.72F-01	5.74F 00	1.82F 01	3.56E 01	5.37E 01
2 11 29 2	8 23531.37	1 1940.25	5.1540	0.0359	0.0	0.0	2.24E-03	4.25F-02	2.75F-01	9.72F-01
9 8 2	1 16411.88	1 1940.31	5.1538	0.0606	0.0	6.56E-04	2.02E-02	1.37E-01	4.49E-01	9.75E-01
N 13 12 42 4 5 10 9 10		1 1940.50	5.1533	0.0303	0.0	0.0	3.01E-04	79.30F-03"	**************************************	3.72F-01
8 10 9 10 1		1 1940.70	5.1528	0.0624	0.0	4.87E-04	2.47E-02	2.27F-01	9.07E-01	2.27E 00
8 7 4	5 14503.03	1 1940.94	5.1521	0.0614	0.0	9.19E-03	1.79E-01	9.24E-01	2.52F 00	4.80E 00
		2 1941.08	5.1518	0.0623	8.10E-05	6.32E-03	4.53E-02	1.296-01	2.35E-01	3.37E-01
11 10 19 1		1 1941.09	5.1517	0.0552	0.0	1.06E-04	9.43E-03	1.22E-01	6.08E-01	1.79E 00
3 2 25 2		2 1941.37	5.1510	0.0418	1.59E-01	1.17E 00	2.58F 00	3.61E 00	4.11F 00	4.21F 00
	1 12201.31	2 1941.60	5.1504	0.0603	0.0	1.56E-04	1.74F-03	6.44F-03	1.40E-02	2.29F-02
4 3 28 2		1 1941.94	5.1495	0.0359	5.73E-01	1.43E 01	5.82E 01	1.19E 02	1.71E 02	2.09E 02
13 12 43 4		1 1942.29	5.1486	0.0303	0.0	0.0	2.78F-04	~8.78F-03	7.975-02	3.59F-01
12 11 30 2 5 4 13 1		1 1942.60	5.1477	0.0340	0.0	0.0	2.16F-03	4.15F-02	2.71F-01	9.67F-01
		2 1942.61	5.1477	0.0604	1.47E-03	4.97E-02	2.34E-01	5.18E-01	8.00E-01	1.02E 00
4 3 19 2 1 0 43 4		2 1942.70	5.1475	0.0535	1.80E-02	2.76E-01	8.77E-01	1.53E 00	2.02E 00	2.29E 00
1 0 43 4		1 1943.06	5.1465	0.0303	9.15E 01	3.07F 02	4.56E 02	5.05E 02	4.92E 02	4.50E 02
3 . 2 . 3 . 3		2 1943.26	5.1460	0.0335	1.15E 00	4.07E 00	6.20E 00	6.97E 00	6.85E 00	6.31E 00
7 6 10 1		1 1943.34	5.1458	1550.0	4.23E 00	5.22E 01	1.49E 02	2.43E 02	3.07E 02	3.39E 02
2 1 38 3		1 1943.49 1 1943.70	5.1454 5.1448	0.0625	4.15E-04	1.00E-01	1.27E 00	5.06F 00	1.16E 01	1.95E 01
	2 16419.01	1 1943.77	5.1446	0.0609	2.43E 01	1.53E 02	3.12E 02	4.18F 02	4.62E 02	4.62E 02
10 9 11 1		1 1943.84	5.1445	0.0625	0.0	9.79E-04 5.19E-04	3.01E-02 2.65E-02	2.06F-01 2.45E-01	6.72E-01 9.83E-01	1.46E 00 2.47F 00
11 10 20 1		1 1943.86	5.1444	0.0535	0.0	1.05F-04	9.47E-03	1.23E-01	6.21E-01	1.84E 00
5 4 22 2		1 1943.96	5.1441	0.0476	6.91E-02	3.48E 00	2.01E 01	5.02E 01	8.40E 01	1.13E 02
13 12 44 4		1 1944.05	5.1439	0.0303	0.0	0.0	2.57E-04	8.26E-03	7.61F-02	3.46F-01
E SE CO T		2 1944.16	5.1436	0.0312	5.49E 00	9.63E 00	1.03F 01	9.42F 70	8.05E 00	6.71E 00
6 5 16 1		1 1944.48	5.1428	0.0585	6.30F-03	6.77E-01	5.70E 00	1.79E 01	3.48E 01	5.23E 01
8 7 3	4 14485.03	1 1944.68	5.1422	0.0611	0.0	7.49E-03	1.45E-01	7.49E-01	2.03E 00	3.88E 00
6 5 6	7 10326.08	2 1944.82	5.1419	0.0620	7.39E-05	5.69E-03	4.06E-02	1.155-01	2.09E-01	2.99E-01
i2 11 31 3	0 23734.29	1 1944.91	5.1416	0.0335	0.0	0.0	2.07E-03	4.05E-02	2.67E-01	9.59E-01
3 2 24 2		2 1945.76	5.1394	0.0437	1.75E-01	1.23E 00	2.66E 00	3.67F 00	4.15E 00	4.22E 00
13 12 45 4		1 1945.76	5.1394	0.0303	0.0	0.0	2.36F-04	7.76F-03	7.25F-02	3.33E-01
5 4 12 1		2 1946.57	5 - 1 372	0.0610	1.47E-03	4.85E-02	2.26E-01	4.96E-01	7.62E-01	9.66E-01
11 10 21 2		1 1946.59	5.1372	0.0515	0.0	1.03E-04	9.47E-03	1.25E-01	6.31E-01	1.88E 00
4 3 27 2		1 1946.60	5.1372	0.0379	6.48E-01	1.54E 01	6.09E 01	1.21E 02	1.75E 02	2.12E 02
		2 1946.87	5.1364	0.0552	1.89E-02	2.81E-01	8.79E-01	1.52E 00	1.99E 00	2.25E 00
10 9 12 1	1 18574.50	1 1946.94	5.1363	0.0617	0.0	5.46E-04	2.82F-02	2.62F-01	1.05E 00	2.66E 00
									**************	

`vu	~``vL`	ŮŰ	'jĽ	LOWER	CODE	WAVE	WAVE	HALF	*****	* INTEGRATE			rFìCIENT *	*****
				STATE		NUMBER CM-1	LENGTH	WIDTH H2	T = 1000	T = 1500	CM*G/ T = 2000	. T. E. SEW.	F = 73.77.7	T = 3500
				ENERGY		CM-1	MICRON	MZ	1,= 1000	1 = 1500	1 = 2000	1 = 2500	1 = 3000	1 = 3500
12	11	32	31	23840.83	1	1947.18	5.1356	0.0331	0.0	0.0	1.98E-03	3.93E-02	2.62E-01	9.48E-01
, , ,		4	~~~§``	16429.71	~~ <u>î</u> ~~~	1947.19	5.1356	0.0611		1.29F-03	4.00F-02	2.73F-01	8.94F-01	1.95F 00
13		46	45	27505.34	ī	1947.42	5.1350	0.0303	0.0	0.0	2.16E-04	7.27E-03	6.489F-02	3.20E-01
Ź	6	·- 9-	10	12663.53	1	1947.46	5.1349	0.0624	4.00E-04	9.49E-02	"i,19E 00	4.72E 00 1	1.08E 01	1.81E 01
2	1	29	30	3785.38		1947.82	5.1339	0.0340	1.31E 00	4.39E 00	6.52E 00	7.21E 00	7.01E 00	6.41F 00
` <b>ໍ</b> ສັ	' ĝ	~ 3ž2 °	`.33°	6370,20	· i	1948.19	5.1330	0.0326	4.94F 00	5.73F 01	1.59E 02	2.55E 02	3.18F 02	3.47F 02
1	0	42	43	3615.54	1	1948.27	5.1328	0.0303	1.14E 02	3.53E 02	5.04F 02	5.45F 02	5.22E 02	4.72E 02
8	7	2	Ì áÌ	14470.63	"i"	1948.38	5.1325	0.0609	0.0	5.70E-03	1.10E-01	5 - 67E01	1.54E 00	2.93E 00
5	4	21	22	9350.27		1948.39	5.1324	0.0496	7.48F-02	3.62F 00	2.05€ 01	5.05F 01	8.39E 01	1.12F 02
7	~ 6	ī	,o	12197.83	- 2 -	1948.53	5.1321	0.0603	0.0	1.57F-04	~~1.75E-03	6.48F-03	1.41E-02	2.30E-02
. 6	. 5	5	6	10301.50	2	1948.53	5.1321	0.0617	6.57F-05	5.01E-03	3.54E-02	1.00E-01	1.82E-01	2.60F-01
6	- 5	115	16	10950.85		1948.69	5.1317	0.0591	6.49F-03	6.78F-01	5.63E 00	1.75E 01	3.38E 01	5.06E 01
2	1	. 37	. 38	4953.12		1948.74	5.1315	0.0303	2.93E 01	1.72E 02	_3.39E_02	4.45E 02	4.84E 02	4.80E 02
1	0	34	35	2307.02		1948.90	5.1311	0.0317	6.46E 00	1.06E 01	Talle of	9.90E 00	8.36E 00	6.90E 00
13	12	47	46	27660.53	1	1949.05	5.1307	E0E0.0	0.0	_ 0.0	1.98€-04	6.80E-03	6-54F-02	3.07F-01
11	10	22	21	21055.10	1	1949.28	5.1301	0.0496	0.0	1.01F-04	9.43E-03	1.25F-01	6.40=-01	1.91F 00
. 12	11	33	32	23950.76	<del></del>	1949.41	5-1298	0.0326		0.0	1.89E-03	3.41E-02	2.57E-01	9.36F-01 · 2.84E 00
10	9	13	12	18616.82 5247.99		1950.01	5.1282	0.0610	0.0 1.92E-01	5.69E-04 1.29E 00	2.97E-02 2.73E 00	2.78F-01 3.73E 00	1.12E 00 4.17E 00	4.21E 00
	2	23	- 24 12.	8508.98	2	1950.11	5.1279	0.0457	1.45E-03	4.69E-02	" 2.16€-01 "	4.71F-01	7.21E-01	9.12E-01
25	8	5	4	16443.96	1	1950.58	5.1267	0.0614	0.0	1.60E-03	4.95F-02	3.39F-01	1.11E 00	2.42E 00
r 13		· 48	47	27818.98		1950.64	5.1265	0.0303		0.0	1.80E-04	6 34E-03	6.19E-02	2.94E-01
4	3	17	18	6823.48	2	1951.01	5.1256	0.0568	1.98E-02	2.85E-01	8.76F-01	1.50E 00	1.95F 00	2.20F 00
. 4	. 3	26	727	7760.70		1951.23	5.1250	0.0398	7.27E-01	1.64E 01	6.35F 01	1.25E 02	1.78F 02	2.14E 02
7	6	8	~ 0	12627.20	i	1951.41	5.1245	0.0624	3.80F-04	8.86F-02	1.10E 00	4.35F 00	9.885 00	1.66E 01
ìż	4	34	33 [°] 3	24064.08	~~ <u>-</u>	1951.60	5.1240	0.0321	0.0	0.0	1.80E-03	" 3.68E-02	"2.51E-01	9.21E-01
11	10	23	22	21131.74	ī	1951.94	5.1231	0.0476	0.0	9.80F-05	9.34F-03	1.26=-01	6.45E-01	1.94E 00
7	″ 6	2	1	12201.31	- ž	1951.94	5.1231	0.0606	0.0	3.13F-04	3.50F-03	1.30F-02	2.87E-02	4.60E-02
8	7	1	2	14459.83	1	1952.05	5.1228	0.0606	0.0	3.85E-03	7.41E-02	3.81E-01	1.03E 00	1.97E 00
13	12	49	48	27980.70	1	1952.18	5.1225	0.0303	0.0	0.0	1.64E-04	5.90E-03	5.85F-02	2.81F-01 .
6	5	4	5	10280.43	2	1952.20	5.1224	0.0614	5.656-05	4.26E-03	3.01E-02	8.46F-02	1.53E-01	2.19E-01
2	1	28	Ž9	" 3676 <b>.</b> 69	2	1952.35	5.1220	0.0359	1.49E 00	4.73E 00	6.84E 00	7.44F 00	7.16E 00	6.50E 00
. 5	4	20	21	9269.02	1	1952.80	5.1209	0.0515	8.04F-02	3.75E 00	2.08E 01	5.07F 01	8.35E 01	1.11E 02
6 <u></u>		14	15	10892.23	1	1952.87	5.1207	0.0597	6.64F-03	6.74E-01	5.51E 00	1.70E 01	3.27E 01	4.87F 01
3	. 2	31	32	6246.50	1	1953.00	5.1203	1EE0.0	5.74E 00	6.27F 01	1.69E 02	2.66F 02	3.28F 02	3.56E 02
10	9	14	13	18662.66	1	1953.04	5.1202	0.0604	0.0	5.87E-04	3.09F-02	2.92F-01	1.18E 00	3.00E 00
, , , 1	. 0	41	42	3452.15	1	1953.45	5.1191	0.0303	1.41F 02	4.04F 02	5.55E 02	5.87F 02	5.53E 02	4.95E 02
1	0	33	34	2179.32	_	1953.61	5.1187	0.0321	7.55E 00	1.17E 01	1.18E.01	1.04E 01	78.65F 00	7.09F 00
13	. 12	50	49	28145.66		1953.68	5.1185	0.0303	0.0	0.0	1.49E-04	_5.48E-03	5.52F-02	2.68F-01
2	1	36	37	4809.68	1	1953.74	5-1184	8050.0	3.51E 01	1.93E 02	3.67E 02	4.71E 02	5.07F 02	4.99F 02
12		35	34	24180.77		1953.76	5.1183	0.0317	0.0	0.0	1.70E-03	3.55F-02 4.04E-01	2.44E-01	9.05E-01 2.89E 00
-	8	6	5	16461.79	1 2	1953.93	5.1179	0.0617	0.0	1.89E-03	5.88E-02 2.05E-01	4.04E-01	6.76E-01	2.89E 00 8.53E-01
5		10 22	~ <u>! !</u>	8466.48 5161.65		1954.39	5.1167 5.1166	0.0625	1.42E-03 2.09F-01	4.49E-02	2.79E 00	3.76E 00	4.18F 00	4.20F 00
		22	23		2	1954.44		0.0476	2.096-01	9.47E-05	9.21E-03	1.25E-01	6.49E-01	1.96E Q0
- 11	3		17	6759.20		1955.13	5.1163	0.0585	2.06F-02	2.87F-01	8.69F-01	1.47E 00	1.91E 00	2.14E 00
13	12	51	50	28313.87	1	1955.13	5.1147	0.0565 E0E0.0	0.0	0.0	1.34F-04	5.07E-03	5.19F-02	2.556-01
7	15.	31	-3.2	12208.27		1955.32	5.1143	0.0609		4.67F-04	5.23F-03	1.94F-02	4.24E-02	6.90E-02
7	6	7	A	12594.50	ĩ	1955.32	5.1143	0.0623	3.54E-04	8.14E-02	1.00F 00	3.95F 00	A.95F 00	1.50E 01
	······································	~~~~ 6 ·		14452.63	···	1955.69	5.1133	0.0603	0.0	1.94E-03	~~3.73E~0?~	" 1.92F-01	~ 5.20E-01	9.89E-01
4	3	25	26	7660.20		1955.82	5.1129	0.0418	8 .1 î F - ŏ ı′	1.75E 01	6.59E 01	1.288 02	1.80E 02	2.15E 02
	5		4-	10262.87		1955.84	5.1129	0.0611	4.64E-05	3.48E-03	2.44E-02	6.855-02	1.24E-01	1.77E-01
12			35	24300.84		1955.87	5.1128	0.0312	0.0	0.0	1.61F-03	3.415-02	2.37E-01	8.87F-01
					<del></del>									

	VU	VL.	JÜ	JŁ	LOWER STATE	CODE	NUMBER	WAVE* LENGTH	HALF WIDTH	******	** INTEGRATI	EO ** ABSOR CM*G		EFFICIENT *	****
_				·	ENERGY		CM-1	HICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	10	9	15	14	18712.02		1956.03	5.1124	0.0597	0.0	6 • 00E-04	3.21E-02	3.04E-01	1.24E 00	3.16E 00
	13	12	52	51	28485.31		1956.56	5.1110	0.0303	0.0	0.0	1.21E-04	4.69E~03	4.88E-02	2.43E-01
	2	1	27	28	3571.58		1956.86	5.1102	0.0379	1.67E 00	5.06E 00	7.14F 00	7.66E 00	7.30E 00	6.58E 00
	6	5	13,	14	10837.26		1957.01	5.1098	0.0604	6.71E-03	6.64E-01	5.37E 00	1.64E 01	3.14E 01	4.66E 01
	11	10	25	24	21295.39		1957.13	5.1095	0.0437,	0.0	9.12E-05	9.04E-03	1.24E-01	6.50F-01	1.98E 00
	5	4	19	20	9191.44		1957.17	5.1094	0.0535	8.58E-02	3.85E 00	2.10E 01	5.06E 01	8.28E 01	1.10E 02
	9	8	7	6	16483,18		1957.25	5.1092	0.0620	0.0	2.16E-03	6.77E-02	4.66E-01	1.53E 00	3.35E 00
	3	2	30	31	6126.50		1957.79	5.1078	0.0335	6.61E 00	6.83F 01	1.78E 02	2.77E 02	3.38E 02	3.63E 02
	13		53	52	28659.99		1957.93	5.1074	E0E0.0	0.0	0.0	1.09E-04	4.32E-03	4.57E-02	2.30E-01
	12		37	36	24424.27		1957.94	5.1074	0.0308	0.0	0.0	1.51E-03	3.26E-02	2.30E-01	8.67E-01
	5		9	10	8427.51		1958.25	5.1056	0.0624	1.37E-03	4.24E-02	1.92E-01	4.14E-01	6.28E-01	7.90E-01
	1	O	32	33	2055.22	2	1958,29	5.1065	0.0326	8.78E 00	1.28E 01	1.26E 01	1.08E 01	8.94E 00	7.26E 00
	1	0	40	41	3292.48		1958.60	5.1057	E0E0.0	1.74E 02	4.61E 02	6.10E 02	6.30E 02	5.85E 02	5.18E 02
	7	6	4	3	12218.71	2	1958.67	5 • 1 0 5 5	0.0611	0.0	6.18E-04	6.93E-03	2.58E-02	5.64F-02	9.19E-02
	2	1	35	36	4669.95	1	1958.71	5.1054	0.0312	4.19E 01	2.15E 02	3.96F 02	4.99E 02	5.29E 02	5.14F 02
	3	2	21	22	5078.88	2	1958.73	5.1053	0.0496	2.25E-01	1.40E 00	2.84F 00	3.78E 00	4.17E 00	4.17E 00
	10	9	16	15	18764.90	1	1958.98	5.1047	0.0591	0.0	6.10E-04	3.30F-02	3.15F-01	1.29E 00	3.30E 00
	7	6	6	7	12565.43	1	1959.19	5-1041	0.0620	3.24E-04	7.34E-02	8.98E-01	3.52E 00	7.96E 00	1.33E 01
	4	3	15	16	6698.49	2	1959.21	5-1041	0.0591	2.12E-02	2.87E-01	8.56E-01	1.44E 00	1.85E 00	2.07E 00
_	13	12	54	53	28837.89	1	1959.26	5.1040	0.0303	0.0	0.0	9.75E-05	3.976-03	4.28E-02	2.18E-01
	6	5.	2	3	10248.82	2	1959.45	5.1035	0.0609	3.56E-05	2.65E-03	1.85F-02	5.19F-02	9.39E-02	1.34E-0
	11	10	26	25	21382.39	1	1959.67	5.1029	0.0418	0.0	8.73E-05	8.85E-03	1.23E-01	6.50E-01	1.99E 0
	12	11	38	37	24551.07	1	1959.97	5.1021	0.0303	0.0	0.0	1.42E-03	3.125-02	2.23F-01	8.46E-01
	4	3	24	25	7563.39	1	1960.39	5.1010	0.0437	8.985-01	1.85E 01	6.81E 01	1.30F 02	1.82E 02	2.16E 02
	9	8	8	7	16508.13	1	1960.53	5.1007	0.0623	0.0	2.42E-03	7.61F-02	5.26E-01	1.74F.00	3.80E 00
	13	12	55	54	29019.00	1	1960.55	5.1006	0.0303	0.0	0.0	8.72E-05	3.65E-03	4.00E-02	2.06F-0
	6	5	12	13	10785.94	1	1961.12	5.0991	0.0610	6.72E-03	6.49E-01	5.18E 00	1.57F 01	3.00E 01	4.44E 01
	2	ī	26	27	3470.06	2	1961.33	5.0986	0.0398	1.87E 00	5.39E 00	7.43E 00	7.85E 00	7.41E 00	.6.63E 0
	5	4	18	19	9117.53	1	1961.51	5.0981	0.0552	9.08F-02	3.94E 00	2.11E 01	5.03E 01.	8.17E 01	1.08E 0
	13	12	56	55	29203,32	1	1961.80	5.0974	0.0303	0.0	0.0	7.78E-05	3.34F-03	3.73E-02	1.95E-0
	10	9	17	16	18821.29		1961.90	5.0971	0.0585	0.0	6.14E-04	3.37E-02	3.256-01	1:34E 00	3.43E 0
•	12	11	39	38	24681.22		1961.96	5.0969	0.0303	0.0	0.0	1.336-03	2.97E-02"	72.15E-01	8.246-0
	7	6	5	4	12232.63		1961.99	5.0969	0.0614	0.0	7.63E-04	8.60E-03	3.21E-02	7.01F-02	1.14E-0
	5	.4	8	9	8392.08		1962.09	5.0966	0.0524	1.30E-03	3.96E-02	1.77E-01	3.81F-01	5.76E-01	7.23E-0
	11	10	27	26	21472.84		1962-17	5.0964	0.0398	0.0	8.32E-05	8.62E-03	1.22F-01	6.47E-01	1.99F 0
	3	2	29	30	6010.21		1962.55	5.0954	0.0340	7.58F 00	7.41E 01	1.89E 02	2.87F 02	3.46E 02	3.69F 0
	8	7	1	0	14449.03		1962.85	5.0946	0.0603	0.0	1.95E-03	3.76E-02	1.935-01	5.23F-01	9.95E-0
	11	······································	31	32	1934.72		1962.94	5.0944	0.0331	1.01E 01	1.40F 01		1 113E 01	9.21E 00	7.42F 0
	13		57	56	29390.83		1963.00	5.0942	E0E0.0	0.0	0.0	6. *H-05	3.05F-03	3.47E-02	1.836-0
	3		20	21	4999.68		1963.00	5.0942	0.0515	2.41E-01	1.45E 00	2.84E 00	3.79F 00	4.14E 00	4.12F 0
	7	6	5	-6	12539.99		1963.03	5.0942	0.0617	2.88E-04	6.46E-02	7.85F-01	3.07E 00	6.92F 00	1.15E 0
		<u>-</u>	<del>- i</del>		10238.29		1963.03	5.0942	0.0606	2.41E-05	1.79F~03	4.25E-02	3.49E-02	6.30E-0S	8.97E-0
	4	3	14	15	6641.34		1963.26	5.0936	0.0597	2.16E-02	2.85E-01	8.39E-01	1.40F 00		1.99E 0
			~~~~		4533.94		1963.65	5.0926	0.0317	4.96F 01	2.395 02	4.26E 02	5.26F 02	1.79E 00 5.50E 02	5.30E 0
	1	ō	39	40	3136.53		1963.73	5.0923	0.0303	2.12E 02					
	ĝ				16536.64		1963.78	5.0923	0.0524	0.0	5.24E 02 2.65E-03	6.67E 02	61745 02	6.17E 02	5.40E 0
		11	40	39	24814.72							8.40E-02	5.83E-01	1.935 00	4.24E 0
			- 40 -	- 39 - 57			1963.91	5.0919	0.0303	0.0	0.0	1.24E-03	2.83E-02	2.07E-01	8.00E-0
					29581.54		1964.16	5.0912	0.0303	0.0	0.0	6.14F-05	2.788-03	3.22F-02	1.736-0
	77 1 1 1 0	. 10	28 18	27 17^	21566.74		1964.64	5.0900	0.0379	0.0	7.90E-05	8.36F→03	1.20F-01	6.42E-01	1.99E 0
	10				18881.18		1964.78	5.0896	0,0568	0.0	6.15E-04	3.426-02	3.336-01	1.38E 00	3.55E 0
								E 0803	0.0457	A 905 At	1 055 01		1 707 00		0 1 (- 0
	4	3	23	24	7470.27		1964.93	5.0892		9.88E-01	1.95F 01	7.01E 01	1.32F 02	1.83E 02	2.16E 02
		. 5		12	10738.28	<u>1</u>	1965.20 1965.27	5.0885 5.0884	0.0617 0.0617	6.66E-03 0.0	6.29E-01 9.02E-04	4.96E 00 1.02E-02	1.50F 01 3.82F-02	2.84E 01 8.36F-02	4-19E 0

						MOLLECE	R LINE PAR	RBON MONOX						
Ψυ	VL	JŪ	JL.	LOWER	CODE	WAVE	WAVE	HALF	*****	* INTEGRATE			EFFICTENT *	****
				STATE		NUMBER CM-1	LENGTH MICRON	HZOTH	T = 1000	T = 1500	CM*G!	1—1 ¯ T = 2500	T = 3000	T = 3500
				ENERGI			MICKUN	T16	1 = 1000	1 - 1500				
13 ~	12	59	58	29775.43		1965.28	5.0883	0.0303	0.0	0.0	_5.43E_05	2,535-03	2.98F-02	1.62E-01
	1	25	26	3372.13		1965.78	5.0870	0.0418	2.08E 00	5.72E 00	7.70E 00	8.025 00	7.50E 00	6.67E 00
.12 ,	11	41	40_	24951.57		1965.82	5.0869	E0E0.0	0.0	0.0	1.15E-03	2.68E-02	1.99E-01	7.76F-01
~~~` ~	4	17 7	18	9047.30		1965.82	5.0869	0.0568	9.54E-02 1.21F-03	4.00E 00 3.63E-02	2.11E 01	4.98E 01 3.46E-01	8.03F 01 5.21E-01	1.05E 02 6.53E-01
. 5 13 ~	12	60	. 59°	8360.19 29972.48		1965.89	5.0868	0.0623	0.0	0.0	4.79E-05	2.30E-03	-2.76E-02	1.52F-01
8	7	2	1	14452.63		1966.38	5.0855	0.0606	0.0	3.90F-03	7.51F-02	3.86E-01	1.05E 00	1.99E 00
" š~ "	~ =		<del></del> -	10231.26		1966.57	5.0850	0.0603	0.0	9.00F-04	6.27E-03	1.76E-02	7.17E-02	4.51E-02
7	6	4	5	12518.18		1966.84	5.0843	0.0614	2.48E-04	5.51E-02	6.66E-01	2.59F 00	5.84E 00	9.73E 00
<del>5</del>	ē-	10		16568.71		1966.99	5.0839	0.0624		2.86E-03	9.14E-02	6.37E-01"	2.12E 00	4.65F 00
	10	29	28	21664.07	1	1967.06	5.0837	0.0359	0.0	7.45E-05	8.08E-03	1.17E-01	6.35E-01	1.98E 00
~~3~~	2	19	20	4924.07	2	1967.24	5.0833	0.0535	2.57E-01	1.49F 00	2.90F 00	3.78E 00	4.10F 00	4.06E 00
3	2	28	29	5897.62		1967.27	5.0832	0.0359	8.64E 00	8.00E 01	1.98F 02	2.97E 02	3.55E 02	3.755 02
4	3	13	14	6587.74	2	1967.28	5.0832	0.0604	2.18E-02	2.80E-01	8.15E-01	``````.35°F``00```	1.72E 00	1.91E 00
	12	61	60	30172.71	1	1967.38	5.0829	0.0303	0.0	0.0	4.21E-05	2.08F-03	2.55E-02	1.42E-01
1	Ö	30	31	1817.82		1967.56	5.0824	0.0335	1.16E 01	1.52F 01	1.41E 01	1.17E 01	9.46E 00	7.56F 00
10	9	19	18	18944.59		1967-62	5.0823	0.0552	0.0	6.12E-04	3.45E-02	3.39F-01 2.53F-02	1.41E 00 1.91E-01	3.66E 00 7.51E-01
	11	42	41	25091.76		1967-69	5.0821	0.0303	0.0	0.0	1.07E-03 3.70E-05	1.88F-03	2.35E-02	1.33E-01
13	12	62 7	61	30376.09 12270.90		1968.36 1968.52	5.0804 5.0800	0.0303	0.0	1.03E-03	1.18F-02	4.41F-02	9.68F-02	1.58F-01
ź	1	33	34	4401.64		1968.56	5.0799	0.0321	5.84F 01	2.64F 02	4.56F 02	5.53E 02	5.71E 02	5.46F 02
<u>-</u>		38	39	2984.30		1968.82	5.0792	0.0303	2.58E 02	5.92E 02	7.28F 02	7.19E 02	6.49E 02	5.63F 02
6	5	10	11	10694.28		1969.25	5.0781	0.0625	6.51F-03	6.02E-01	4.71E 00	1.41F 01	2.66E 01	3.92E 01
	12	63	62	30582.61		1969.30	5.0779	0.0303	0.0	0.0	3.24E-05	1.705-03	2.16E-02	1.24F-01
4	3	22	23	7380.84		1969.43	5.0776	0.0476	1.08€ 00	2.04F 01	7.19F 01	1.34F 02	1.84E 02	2.15E 02
11	10	30	~29~~	21764.84		1969.44	5.0776	0.0340	0.0	7.01E-05	7.78E-03	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6.27E-01	77.976.70
12	11	43	42	25235.28	1	1969.51	5.0774	0.0303	0.0	0 + 0	9.84E-04	2.39E-02	1.82E-01	7.26E-01
5	4	6	7	8331.84	2	1969.66	5.0770	0.0620	1.10E-03	3.27E-02	1.45E-01	10-380 E	4.64E-01	5.79E-01
8	7	3	2	14459.83		1969.88	5.0765	0.0609	0.0	5.82F-03	1.12E-01	5.78F-01	1.57E 00	S.98E 00
5	4	16	17	8980.75	1	1970.10	5.0759	0.0585	9.93E-02	4.04F 00	2.09E 01	4.90F 01	7.85E 01	1.03E 02
9	8_	11	10	16604.34		1970.16	5.0757	0.0625	0.0	3.05E-03	3.81E-02	e•é8E-or	2.29E 00	5.06F 00
13	12	64	63	30792.28		1970.20	5.0756	0.0303	0.0	0.0	2.83E-05	1.53E-03	1.98F-02	1.16E-01
. 2	1_	_24_	25	3277.80		1970.20	5.0756	0.0437	2.30E 00	6.03E 00	7.94E 00	8.17F 00	7.57F 00	6.69F 00
10	9	20	19	19011.50		1970.42	5.0751	0.0535	0.0	6.05F-04	3.47F-02	3.44F-01	1.44E 00	3.76E 00
<del>7</del>	6_	3	4	12500.01		1970.62	5.0745	0.0611	2.04E-04 0.0	4.49E-02	5.41F-01 2.46E-05	2.10F 00 1.37E-03	4.72E 00 1.82F-02	7.86E 00
13	12 3	65	64 13	31005.07 6537.71		1971.05 1971.27	5.0734 5.0729	0.0303	2.18E-02	2.74F-01	7.87E-01	1.37E-03	1.64E 00	1.81E 00
-12	-11	12 44	~43~	25382.13		" 1971 3o"	5.0728	0.0303	0.0	0.0	9.07E-04	~~2.25E-02	1.74E-01	6.99E-01
3	2	18	19	4852.04		1971.44	5.0724	0.0552	2.71E-01	1.52E 00	2.91E 00	3.76E 00	4.05E 00	3.98E 00
7	6.			~12295•25		1971.73	5.0717	0.0623	0.0	1.166-03	1.32E-02	4.98E-02	1.106-01	1.80E-01
	10	31	30	21869.04		1971.79	5.0715	0.0335	0.0	6.56E-05	7.47E-03	1.12E-01	5.17F-01	1.95F 00
	12	66	65	31220.98		1971.86	5.0714	0.0303	0.0	0.0	2.14E-05	1.23F-03	1.665-02	9.99F-02
3	2	27	28	5788.74	1	1971.97	5.0711	0.0379	9.77E 00	8.60E 01	2.07E 02	3.06E 02	3.62F 02	3.80E 08
1	0	<u> </u>	30	1704.53	2	1972.16	5.0706	0.0340	1.33F 01	1.64F 01	1.48E 01	1 1 2 2 F 101	79.69E 00	7.69F 00
13	12	67	66	31439.99	1	1972.62	5.0694	0.0303	0.0	0.0	0.0	1.10F-03	1.525-02	9.26E-02
12	11	45	44	25532.30	1	1973.04	5.0683	0.0303	0.0	0.0	8.33E-04	2.11E-02	1.66E-01	6.73F-01
10	9	21	20	19081.91	1	1973.19	5.0679	0.0515	0.0	5.94F-04	3.47E-02	3.47F-01	1.47E 00	3.84E 00
6	5	9	10	10653.94		1973.26	5.0678	0.0624	6.29E-03	5.70E-01	4.41E 00	1.3 LE 01	2.48F 01	~ 3.63F 0
9	8	12	11	16643.52		1973.30	5.0677	0.0617	0.0	3.206-03	1.04E-01	7.35E-01	2.46F 00	5.44F 00
13	12	68	67	31662.11		1973.34	5.0676	0.0303	0.0	0.0	0.0	~9.81E-04~	20-36E-05	8.57F-02
8		4_	3	14470.63		1973.34	5.0676	0.0611	0.0	7.70F-03	1.49E-01	7.68E-01	2.09F 00	3.97E 00
5	4	5	6	8307.03		1973.40	5.0674	0.0617	9.81F-04	2.88F-02	1.27E-01	2.68F-01	4.075-01	5.030-01
2	1	32	33	4273.06	1	1973.45	5.0673	0.0326	6.83F 01	2.91F 02	4.87E 02	5.79E 02	5.91E 02	5.60E 02

ν̈́ū	' '	VL	JÜ	JL	LOWER	CODE	WAVE	WAVE	HALF	*****	** INTEGRAT			FFICIENT *	*****
					STATE		NUMBER CM-1	LENGTH MICRON	WIDTH H2	T = 1000	T = 1500	CM*G/ T = 2000	4-1 T = 2500	Y = 3000	T = 350
	. <u></u>										13700	2000	. – 2500	, = 3000	1 - 350
6	•	<b>E</b>		0	10227.75	2	1973.57	5.0670	0.0607	2.5	0.045.04	£ 705 A5	:		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~	ŦŶ^	~38°	2835.80		1973.89		0.0603	0.0	9.06E-04	6.32E-03	1.775-02	3.19F-02	4.54E-0
4			21	22	7295.12		1973.90	5.0661 5.0661	0.0303	3.12E 02	6.67F 02	7.92F 02	7.66F 02	6.81E 02	5.85E 0
- 13			69	68	31887.32		1974.02	5.0658	0.0496	1.17E 00	2.12F 01	7.33E 01	1.35F 02	1.84E 02	2.14E 0
11		10	32	31	21976.67		1974.09	5.0656		0.0	0.0	0.0	8.74E-04	1.26E-02	7.93E-0
		4	15-	16	8917.88		1974.34	5.0650	0.0331	0.0	6.11F-05	7.14F-03	1.09F-01	6.06E-01	1.93E 0
7		6	2	3	12485.47		1974.36	5.0649	0.0591	1.03E-01	4.04E 00	2.06E 01	4.79F 01	7.64E 01	9.95E 0
<u>`</u>		- 	23	24	3187.07		1974.59	5.0643	0.0609	1.57F-04 2.52E 00	3.42E-02	4.11F-01	1.59E 00	3.58E 00	5.94E 0
13	-	12	70	69	32115.60	1	1974.65	5.0642			6.34E 00	8.16E 00	8.29E 00	7.61E 00	6.69E 0
12		īī	46	- 4 5-	25685.79	- i	1974.75	5.0639	0.0303	0.0	0.0	0.0	7.77E-04	1.15E-02	7.32E-0
7		6	9	8	12323.08		1974.91	5.0635	0.0303	0.0	0.0	7.63E-04	1.98E-02	1.57E-01	6.46E~0
4			<u> 11</u>	12	6491.25		1975.23	5.0627	0.0617	2.15E-02	1.27E-03 2.65E-01	1.46E-02	5.52E-02	1.22E-01	2.00E-0
13			71	70	32346.95		1975.23	5.0627	0.0303	0.0		7.53E-01	1.23E 00	1.55E 00	1.71E 0
É	~		17	18	4783.59		1975.62	5.0617	0.0568	2.84F-01	0.0 1.54E 00	0.0	6.89E-04	1.04E-02	6.74E-0
13			72	71	32581.36		1975.77	5.0613	0.0303	0.0	0.0	2.90E 00 0.0	3.71E 00	3.97E 00	3.89E 0
10			22	21	19155.82		1975.92	5.0609	0.0496	0.0	5.80E-04		6.10E-04	9.426-03	6.20E-0
13		_	73	72	32818.82		1976.26	5.0601	0.0303	0.0	0.0	3.45E-02	3.49E-01	1.49E 00	3.91E 0
<u>i</u> i			33-	32	22087.72		1976.36	5.0598	0.0326	0.0	5.67F-05	0.0 6.81E-03	5.39E-04	8.51E-03	5.70E-0
9			13	12	16686.27		1976.40	5.0597	0.0610	0.0	3.34E-03	1.10E-01	1.05F-01 7.79E-01	5.93E-01	1.90E 0
™1′2́			47	- 46 ~	25842.57		1976.41	5.0597	0.0303	0.0	0.0			2.62E 00	5.80E 0
3			26	27	5683.57	i	1976.63	5.0591	0.0398	1:10E 01	9.19E 01	6.96E-04 2.16E 02	1.85E-02	1.49E-01	6.19E-0
m iš			74	73	33059.32		1976.71	5.0589	0.0303	0.0	0.0	0.0	3.15E 02	3.68E 02	3.84E 0
ī		0	28	29	1594.85		1976.72	5.0589	0.0359	1.51F 01	1.77E 01		4.76E-04	7.68E-03	5.23E-0
·		-7		4	14485.03		1976.76	5.0588	0.0614	0.0	9.51F-03	1.56E 01 1.84E-01	1.26E 01 9.54F-01	9.91E 00 2.59E 00	7.80E 0
6		5	2	i	10231.26		1977.01	5.0581	0.0606	2.45E-05	1.81E-03	1.26E-02	3.53E-02	5.38E-02	4.95E 0
`š		~~	~~~~~	5	8285.77		1977.10	5.0579	0.0614	8.44E-04	2.45E-02	1.07E-01	2.27E-01	3.40E-01	9.08E-0
13		12	75	74	33302.84	1	1977.11	5.0579	0.0303	0.0	0.0	0.0	4.19E-04	6.92E-03	4.24E-0
~·~6		-5	8		10617.26		1977.24	5.0576	0.0624	5.97E-03	5.33F-01	4.09E 00	1.21E 01	2.27E 01	4.79E-0
13	1		76	75	33549.38		1977.47	5.0570	0.0303	0.0	0.0	0.0	3.68E-04	6.23E-03	4.38E-0
Tīj			77	76	33798.93		1977.78	5.0562	0.0303	0.0	0.0	0.0	3.22E-04	5.59E-03	
12			48	47	26002.67	ī	1978.03	5.0555	0.0303	0.0	0.0	6.34E-04	1.72E-02	1.41E-01	4.01E-0
‴ี เ๊ ฮ์			*78°	77	34051.46	-	1978.04	5.0555	0.0303	0.0	0.0	0.0	2.82F-04	5.01E-03	3.65E-C
7		6	1	2	12474.57	1	1978.06	5.0555	0.0606	1.06F-04	2.31E-02	2.77F-01	1.07E 00	2.40E 00	3.99E 0
7	,	6	10	9	12354.38	- ·- <u>2</u>	1978.06	5.0555	0.0624	0.0	1.37F-03	1.59F-02	6.04E-02	1.34E-01	2.20E-0
13	1		79	78	34306.98	1	1978.26	5.0549	0.0303	0.0	0.0	0.0	2.46E-04	4.49E-03	3.33E-0
2		1	31	32	4148.21		1978.30	5.0548	0.0331	7.94F 01	3.18E 02	5.18F 02	6.05E 02	6.10E 02	5.73E 0
13	1	12	87	86	36457.07	ī	1978.32	5.0548	0.0303	0.0	0.0	0.0	7.80E-05	1.75E-03	1.50E-0
····· 4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3	20	21	7213.10	1	1978.34	5.0547	0.0515	1.26F 00	2.19E 01	7.44E 01	1.35E 02	1.83E 02	2.12E 0
13	1		80	79	34565.47	1	1978.43	5.0545	0.0303	0.0	0.0	0.0	2.15E-04	4.01E-03.	3.036-0
	7		86	85	36178.12	1	1978.48	5.0544	0:0303	0.0	0.0		9.07E-05	1.98E-03	1.67E-0
13	1		81	80	34826.92		1978.56	5.0542	0.0303	0.0	0.0	0.0	1.87E-04	3.58E-03	2.75E-0
5			14	15	8858.70		1978.56	5.0542	0.0597	1.05F-01	4.02E 00	2.02E 01	4.66E 01	7.39E 01	9.58E 0
	. 1		34	33	22202.19	1	1978.58	5.0541	0.0321	0.0	5.24E-05	6.47E-03	1.02E-01	5.79E-01	1.875 0
ື່ "1 ື3	~~~ <u>`</u>	ĺŽ‴"	85	84	"35902 . 06	""i "	1978.59	5.0541	0.0303	0.0	0.0	0.0	1.05E-04	2.23E-03	1.85E-0
10			23	22	19233.23	1	1978.61	5.0541	0.0476	0.0	5.64E-04	3.42E-02	3.50F-01	1.50E 00	3.96E 0
Ľľ.	· 1	LŽ Î	82 "	81	35091.32	i	1978.64	5.0540	0.0303	0.0	0.0	0.0	1.62E-04	3.19E-03	2.49E-0
13	1	12	84	6 8	35628.90	1	1978.65	5.0540	0.0303	0.0	0.0	0.0	1.22E-04	2.52E-03	2.04E-0
– 13	1	12	83	82	35358.64	1	1978.67	5.0539	0.0303	0.0	0.0	0.0	1.415-04	2.84F-03	2.26E-0
1		0	36	37	2691.03	1	1978.92	5.0533	0.0308	3.75E 02	7.48E 02	8.58E 02	8.13E 02	7.13E 02	6.06E
2	:	1 '	22	` 23´´	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1978.94	5.0532	0.0476	2.74E 00	6.62E 00	8.35E 00	8.37E 00	7.63E 00	6.66E 0
4		3	10	11	6448,35		1979.16	5.0526	0.0625	2.10E-02	2.53E-01	7.13E-01	1.16E 00	1.46E 00	1.60E 0
9	1	8	14	~~13	16732.56		1979.46	5.0519	0.0604	0.0	3.44E-03	1.14E-01	8-18E-01	2.76E 00	6.14E 0
,															

¥U	VL.	๊ ปบ ์" วิเ	LOWER C	ODE WAVE NUMBER	WAVE LENGTH	HALF	******	** INTEGRATED			FFICTENT *	*****
• -	•	4754-44-44	ENERGY	CM-1	MICRON	HZOIH	T = 1000	T = 1500	CM*G T = 2000		T = 3000	T = 3500
. 3.	2	16 17 6 5		2 1979.77	5-0511	0.0585	2.956-01	1.55E 00	2.88E 00	3.65E 00	3.89E 00	3.79F 00
8				1 1980.15	5.0501	0.0617	0.0		2-19E-01	1.148 00	3.09E 00	5.91E 00
6	5	3. 2		2 1980.43	5.0494	0.0609	3.656-05		1.89F-02	5.298-02	9.56E-02	1.366-01
11	10	35 34		1 1980.77	5.0485	0.0317	0.0		6. 12E-03	9.775-02	5.64E-01	1.84F 00
5	4	3 4		2 1980.78	5.0485	0.0611	6.94F-04		8.71E-02	1.84E-01	2+75E-01	3.426-01
12	11	50 49		1 1981.14	5.0476	EOEO.O	0.0		5.21E-04	1.48E-02**	1.25E-01	5.40E-01
, 7	. 6	11 10		2 1981.17	5.0475	0.0625	0.0		1.71E-02	6.52F-02	1.45F-01	2.395-01
6	5	7 8		1 1981.18	5.0475	0.0623	5.58F-03		3.73E`'ōo `	' i.iōe`öì~~	2 06F 01	3.00E 01
10	9	24 23		1 1981.26	5.0473	0.0457	0.0	5.45E-04 ;	3.37E-02	3.49F-01	1.51E 00	4.00E 00
3	2	25 26		1 1981.26	5.0473	0.0416	. 1.23F 01	9.788 01	2,24€ 02	3.22E 02	3.73F 02	3.87F 02
1	. 0	27 28		2 1981.26	5.0473	0.0379	1.70E 01		1 . 63E 01	1.29E 01	1.015 01	7.898 00
7.	. 6 ·	0 1		1 1981.73	5.0461	0.0503	5.37F-05		1.39E-01	5.39E-01	1.21E 00	2.01E 00
	. 8	15 14		1 1982.49	5.0442	0.0597	0.0	3.52E-03	1.196-01	8.53E-01	2.89F 00	6.465 00
12		51 50		1 1982.63	5.0438	0.0303	0.0	0.0	71E-04	1.376-02	1 18F-01	5.13E-01
5.	. 4 .	13 14	8803.20		5.0435	0.0604	1.06E-01	3.97F 00	1.97E 01	4.50E 01	7.10E 01	9.17E 01
4		19 20		1 1982.75	5.0435	0.0535	1.34E 00	2.26E 01	7.52F 01	1.355 02	1 82F 02	S.09E 08
		36 35	22441.36		5+0431	0.0312	0.0	4.426-05	5.78F-03	9.38E-02	5.48E-01	1.80E 00
4	3 ~	9 10		2 1983.06	5.0427	0.0624	2.038-02	2.39E-01	5.68F-01	1.08E 00	1.35E 00	1.48E 00
2		30 31	4027-09		5.0426	0.0335	9.17E 01		5.48E 02	6.30F 02	6.29E 02	5.85E 02
5		21 22		2 1983.27	5.0422	0.0496	2.96F 00	6.87F 00 1	STOE TOO	8.43E 00" ^	7.62E 00	6.628 00
8	7	7 6	14524.62		5.0416	0.0620	2.21E-05		2.52E-01	1.31E 00	3.58E 00	6.84F 00
6	5	4 3		2 1983.81	5.0408	0.0611	4.80E-05	3.57E-03	\$ 50E-02	7.03E-02	1.27E-01	1.81F-01
10		25 24	19398.52		5-0407	0.0437	0.0		3.31E-02	3.47E-01	1.51E 00	4.035 00
3		15 "16"		1983.88	5.0406	0.0591	3.04F-01		84E 00	3.575 00	3.77E 00	3.676 00
1		35 36	2550.01	1 1983.93	5.0405	0.0312	4.48E 02		1.26E 02	8.60E 02	7.45E 02	6.27E 02
		52 51	26675.90	1 1984.09	5.0401	0.0303	0.0		-24E-04	1.276-02	1.11E-01	4.886-01
7		12 11		1984.25	5.0397	0+0617	0.0		*82E-02	6.98F-02	1.565-01	2.57E-01
. 5	4	S 3		1984.42	5.0393	0.0609	5.32E-04		61E-02	1.39F-01	2.08E-01	2.59E-01
		37 36	22566.05	1985.02	5.0377	0.0308	0.0		5.43E-03	8.995-02	5.315-01	1.768 00
·6 ·	··· 5·· ·	6 7	10554.90	1985.09	5.0376	0.0620	5.106-03	With the Wild the water or no water and the water	34E 00	7.81£ 00	1.83E 01	2.67F 01
9		16 15	16835.81	1985.48	5.0366	0.0591	0.0		-22E-01	8.84E-01	3.01E 00	6.75E 00
		53 52	26852.39	1985.49	5.0365	0.0303	0.0		80E-04	1.175-02	1.04E-01	4.63E-01
<u>1</u>		26 27	1386436 2	1985.77	5.0358	0.0398	1.90E 01		+69E 01	1.33E 01	1.03F 01	
3		24 25	5484.40	l"" "1985.87""	5.0356	0.0437	1.36F 01		32E 02 "	3.29E 02	3.77E 02	7.97E 00 3.89E 02
10		26 25 _.	19486-39		5.0341	0.0418	0.0		1.23F-02	3-43F-01	1.51E 00	4.05F 00
. 8	7 '	8 7	14549•82 1	1 986.82	5.0332	0.0623	2.44E-05		.83E-01	1.48E 00	4.05E 00	7.75E 00
		54 53	27032.14	1986.86	5.0331	0.0303	0.0		.41E-04	1.07E-02	9+725-05	4.38#-01
5		[2]3	2751.40 I	1986.88	5.0330	0.0610	1.05F-01		.90F 01	4.32F 01	6.78E 01	8.73F 01
4	3	8 9	6373.27 2	1986.93	5.0329	0.0624	1-925-02		.18F-01	9.946-01	1.245 00	1.36E 00
11		36 37	22694.13	1987.09	5.0325	0.0303	0.0		•09E-03	* 8.58F-02 ***	5.136-01	1.72F 00
4		8 19	7060-17 1	1987-13	5.0324	0.0552	1.43E 00		•55E 01	1.34E 02	1.79E 02	2.06F 02
6	5	5 4			5.0323	0.0614	5.886-05	ATT-THE R. P	.10E-02		1.58E-01	2-26E-01
<u></u>		3 12	12469.13 2		5.0320	0.0510	0.0		.91F-02	7.395-02	1.665-01	2.75E-01
2		21	2936.50 2	1987.57	5.0313	0.0515	3.18E 00		.68E 00	9.45E 00	7.58E 00	6.556 00
		30	3909.71	1987.91	5.0304	0.0340	1.058 02	man a	.79E 02	6.54E 02	6.45E 02	5.96F 02
3	2	14 15	4599.77		5.0303	0.0597	3.10F-01	* *************************************	78E 00		3.65E 00	3.53E 00
5	.4	1 2	8243.23 2	1988.03	5.0301	0.0606	3.61E-04		.45E~02	9.36E-02	1.40E-01	1.74E-01
		55 54 E	27215.13	1988.18	5.0297	0.0303	0.0		04E-04		9.07E-02	4-146-01
9		7 16	16892.75	1988-43	5.0291	0.0585	0.0		.24E-01		3.12E 00	7.028 00
1		TA 35	2412.73 1	1988.91	5.0279	0.0317	5.32E 02		.96E 02		7.76E 02	6.475 02
6	5	5 6	10529.21 1	1988.97	5.0277	0.0617	4.54F=03		•92E 00			
		*			~~~~					O+DDE UV	1.59E 01	2.37E 01
7 10	6	1 0	12463.66 1	1988.97	5.0277	0.0603	5.425-05	1.17E-02 1	.40E-01	5.42E-01	1.22E 00	5.05E 00

	ังบ ี	"VL"	ີ່ ໄປ	`´`J`L`´	"LÖVÉR" STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	******	* INTEGRATE	D ** ABSORF		FFÎCÎÊÑÎ 🔻	******
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000		т ≓ै वंठिततें	T = 3500
		10		38	22825.61	1	1989.11	5.0274	0.0303	0.0	3.32E-05	4.76E-03	9.17E-02	4.95E-01	1.67F 00
	12	11	ิ ร์ 6 ไ	55	27401.37	1	1989.46	5.0265	0.0303	0.0	0.0	2.71E-04	8.99E-03	8.456-02	3.90E-01
	8	. 7	- 9	8,	14578.61	1	1990.10	5.0249	0.0624	2.64F-05	1.58E-02	3.13E-01	1.64F 00	4.50E 00	8.64F 00
	1	0	25	26	1287.55	ž	1990.25	5.0245	0.0418	2.12€ 01	2.15F 01	1.75F 01	1.367 01	1.04F 01	8.01F 00
	.7.	, _ 6_,	. 14	13	12514.32	_2	1990.31	5.0243	0.0604	0.0	1.66E-03	2.00F-02	7.775-02	1.75F-01	2.916-01
	'З '	2	23	24	5390.41	1	1990.44	5.0240	0.0457	1.50F 01	1.09E 02	2.39F 02	3.34F 02	3.80E 02	3.896 02
,	. 6	41 h Per-	6	5	10280-43	. 2	1990.47	5.0239	0.0617	6.90F-05	5.22F-03	3.69E-02	1.04E-01	1.89E-01	2.70E-01
	12	11	57	56	27590.84	1	1990.70	5.0234	0.0303	0.0	0.0	2.41F-04	8.21F-03	รั∵จัร์ ธ ั∸ด้ว๊ ๋	3.686-01
	- 5	3	7		6341.08	2	1990.76	5.0232	0.0623	1.79E-02	2.05F-01	5.64F-01	9 • 0 25 - 0 1	1.12E 00	1.225 00
	-	4	11	12	8703.29	1	1991.00	5.0226	0.0617	1.05F-01	3.76E 00	1.82F 01	4.11E 01	6.47F 01	8.246 01
	11	- 10 -	40	<u>39</u>	22960.48		1991.10	5.0223	0.0303	0.0	2.99F-05	4.43E-03	7.76F-02	4.76E-01	1.62E 00
	4	3	18		16953.25		1991.34	5.0217	0.0568	0.0	3.60E-03	1.26E-01	9.13F-01	3.35E 00	7.26F 00
	10			18 27	6989•28		1991.47	5.0214	0.0568	1.50F 00	2.35F 01	7.55E 01	1.33E 05	1.75F 02	2.01F 02
	5	4	-0	. 27	19672.59	-	1991.48	5.0214	0.0379	0.0	4.53E-04	3.05F-02	3.33F-01	1.49F 00	4.05E 00
	. 2 .	·	- <u>19</u> .	20	<u> 8236.14</u> 2860.19	- ž	1991.61	5.0211	0.0603	1.82E-04	5.18E-03	2.24F-02	4.71E-02	7.03E-02_	8.73E-02
	12	11	58	57	27783.53	-	1991.84	5.0205	0.0535	3.38E 00	7.29E 00	8.69E 00	8.43F 00	7.51E 00	6.45F 00
-	3		TJ.	14	4545.69		1991.89	5.0204.	0.0303	0.0	0.0	2.13F-04	7.48F-03	7.29F-02	3.46F-01
	7	6	2	• •	12467.30	•	1992.53	5.0200	0.0604	3.136-01	1.52F 00	2.71F 00	3.34F 00	3.50F 00	3.395 00
, ,	ź	~~~i~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~29	"196.07"	**** **** *	1992.67	5.0184	0.0606	1.08F-04	2.34F-02	2.80F-01	1.08F 00	2.43F 00	4.04E 00
į	6	5		5	10507.20	î	1992.81	5.0180	0.0559	1.20F 02	4.07F 02	6.09F 02	6 77F 02	6.61F 02	6.06E 02
•	12	` 11 "	59	58	27979.44	· i	1993.04	5.0175	0.0303	3.91E-03	3.31F-01	2.43F 00 1.88E-04	7.23E 00	1.34E 01	1.95E 01
	11	10	41	40	23098.72	i	1993.04	5.0175	E0E0.0	0.0	2.69E-05		6.79F-03	6.75E-02	3.24F-01
	. 7	6	- i š	14	12562.97		1993.28	5.0169	0.0597	0.0	1.70E-03	4.12E-03	7.35E-02 8.11E-02	4.57E-01	1.57F 00
	8	7	10	9	14610.99	1	1993.35	5.0167	0.0624	2.80F-05	1.70E-03	3.40E-01	1.795 00		3.06E-01
	6	5 '	⁻ 7	6	10301.50	2,,,,	1993.75	5.0157	^~o~o620	7.82F-05	"\$.98E-03 '	4.24E-02	1.792 00 1.20E-01	4.94E 00 2.18F=01	3.12F-01
	1	0	33	34	2279.20	1	1993.86	5.0154	0.0321	6.27E 02	1.03E 03	1.07E 03	9.54F 02	8.06F 02	6.66E 02
_	10	9	29	28	19770.91	i '	1993.94	5.0152	0.0359	0.0	4.27F-04	2 95F-02	3.26F-01	1.47F 00	4.04É 00
	12	11	60	59	28178.56	1	1994.15	5.0147	0.0303	0.0	0.0	1.66F-04	6.16F-03	6.24E-02	3.04E-01
	9	. 6	~19	18	17017.28	ī	1994.22	5.0145	0.0552	0.0	3.58F-03	1.28E-01	9.505-01	3.30E 00	7.48E 00
	4	3	. 6	7	6312.47	2	1994.56	5.0136	0.0620	1.64E-02	1.85F-01	5.05E-01	8.04E-01	9.93E-01	1.09E 00
	``ı`	0	24	25	1192.36	. 2	1994.70	5.0133	0.0437	~~```Z\∓34È`"Ö1	~2.27E '01	71.81E 01	1.38€ 01	1". 05E" 01"	7.04E 00
	11	10	42	41	4E.04SES	1	1994.94	5.0127	0.0303	0.0	2.40E-05	3.81E-03	6.955-02	4.38E-01	1.52E 00
	3	ž	22	23	\$300.14	1	1994.98	5.0126	0.0476	1.64F 01	1.148 02	2.45E 02	3.38F 02	3.82F 02	3.88E 02
	5	. 4	10	_11	8658.86	1	1995.08	5.0123	0.0625	1.03E-01	3.60F 00	1.73F 01	3.87F 01	6.03F 01	7.71F 01
	12	11	61	60	28380.87	1	1995.21	5.0120	E0E0.0	0.0	0.0	1.45E-04	5.5AF-03	5.75F-02	2.84E-01
	.4	3	16	17.	6922.10		1995.79	5.0105	0.0585	1.56F 00	2.37F 01	7.50F 01	1.31F 02	1.72F 02	1.96E 02
	3	2	"i Z	13	4495.20	2	1996.04	5.0099	0.0610	3.13E-01	1.48E 00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3.20E 00 J	3.34Ē "ÕÕÕ"	"`3,21F 00
	7 2	6	3	2 19	12474.57	1	1996.06	5.0099	0.0609	1.61F-04	3.49E-02	4 • 1 9E-01	1.62F 00	3.64€ 00	6.06F 00
	7	1	18		2787.51	2	1996.08	5.0098	0.0552	3.57E 00	7.44F 00	8.72E 00	8.37E 00	7.415 00	6.33E 00
	12	îi.	62	15 61	12615.09 28586.38		1996.22	5.0095	0.0591	0.0	1.72F-03	2.13E-02	8 • 4 1F-02	1.91F-01	3.20E-01
	10	9	30	29	19872.69	+	1996,23	5.0094	0.0303	0.0	0.0	1.28E-04	ี้รั•03E−03	5.30F-02	2.665-01
	'na'	7	'ii'	~ `ī o ~ ~	14646.97	· - 1	1996.35 17996.55	5.0091	0.0340		4.01E-04	2.84E-02	3.19E-01	1.45E 00	4.01F 00
	6	5	Ē	4	10488.85	1	1996.55	5.0086 5.0085	0.0625	2.93E-05	1.81F-02	3.656-01	1.93E 00	5.35E 00	1.03F 01
-	ĭĭ"	10	43	42	23385.33	i	1996.80	5.0080	0.0303	3.22E-03	2.70E-01 2.14E-05	2.01E 00	5.865 00	1.09E 01	1.58F 01
	6	5	8	7	10326.08	2	1997.00	5.0075	0.0623	8.64F-05	6.68E-03	3.528-03	B.55E-02	4.19E-01	1.47F 00
-	9	8	20	1,9	17084.85	ī	1997.06	5.0073	0.0535	0.0	3.54F-03	4.78F-02 1.28F-01	1.36E-01 9.64F-01	2.47F-01 3.37F 00	3.54E-01
	12	11	63	62	28795.07	ì	1997.21	5.0070	0.0303	0.0	0.0	1.12F-01	4.53F-03		7.678 00
•	. 5	1	27	28"	3686.17	i'mm=	1997.40	5.0065	70.0379	**************************************	4.38E 02	"6"38E"02	6.98F 02	4 • 87E-02 3. 75E 72	2.48E-01 6.14E 02
	12	11	64	63	29006.93	1	1998.14	5.0047	0.0303	0.0	0.0	9.75E-05	4.08E-03	4.47E-02	2.31E-01
•	4	" 3	- 'S	6	6287.43	2	1998.33	5.0042	0.0617	1.45E-02	T1.63E-01	4.41E-01	``7.0ïE-01	3.68E-01	9.43E-01
	11	10	44	43	23533.68	1	1998.62	5.0035	0.0303	0.0	0.0	3.245-03	6.16E-02	3.99E-01	1.42F 00
-			- * -	*****											

~vù	- VL	<u> </u>	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
					2	1998.67	5.0033	0.0603	1.84E-04	5.22E-03	2.26E-02	4.74E-02	7.07E-02	8.78E-02
10	····· •		`3ö-	8232.59 19977.94		1998.73	5.0033	0.0335	0.0	3.75E-04	2.72E-02	3.10E-01	1.43E 00	3.98E 00
10	9	32	33	2149.44	i	1998.77	5.0031	0.0326	7.35E 02	1.13E 03	1.14E 03	1.00E 03	-8.35F 02	6.84E 02
12		65	-64-	29221.95		1999.02	5.0025	0.0303	0.0	0.0	8.48E~05	3.66E-03	4.09E-02	2.14E-01
1			24	1100.81	ž	1999.12	5.0022	0.0457	2.57E 01	2.38E 01	1.86E 01	1.40F 01	1.06E 01	8.04E 00
·		23	10	8618.14	 -	1999.12	5.0022	0.0624	9.97E-02	3.41F 00	1.62E 01	3.61F 01	5.60E 01	7.15F 01
7	À	17	16	12670.68	2	1999.13	5.0022	0.0585	0.0	1.74E-03	2.18E-02	8.67E-02	1 • 98E-01	3.33E~01
	່ 'ຂ້	21	22	~ 5213.61	1	1999.48	5.0013	0.0496	1.78E 01	1.19E 02	2.50E 02	3.41E 02	3.82F 02	3.86€ 02
7	6	4	3	12485.47	1	1999.56	5.0011	0.0611	2.11E-04	4.62E-02	5.55E-01	2.16E 00	4.84E 00	8.06E 00
8	₇ _	12	' i'i	14686.54	- i	1999.72	5.0007	0.0617	3.03E-05	1.90E-02	3.88E-01	2.07E 00	5.74E 00	1.11E 01
9	8	21	20	17155.96	1	1999.86	5.0003	0.0515	0.0	3.47E-03	1.28E-01	9.73E-01	3.42E 00	7.84F 00
<u>1</u> 2	11	66	65	29440.12	1	1999.87	5.0003	0.0303	0.0	0.0	7.36E-05	3.27F-03	3.74E-02	1.99E-01
'3 4	. 2	11	12	4448.31	2	2000.04	4.9999	0.0617	3.10E-01	1.43E 00	2.50E 00	3.05E 00	3.16E 00	3.03F 00
"4	` 3~	ĨŜ Ì	_16	6858.63	1	2000.07	4.9998	0.0591	1.61F 00	2.38E 01	7.41E 01	1.28E 02	1.68E 02	1.90E 02
6	5	9	8	10354.17		2000.21	4.9995	0.0624	9.34E-05	7.33E-03	5.27E-02	1.50E-01	2.75F-01	3.95E-01 6.19E 00
2	1	17	18	2718.44		2000-29	4.9993	0.0568	3.75E 00	7.55E 00	8.71E 00	8.27E 00	7.275 00	1.19E 01
6	5_	. 2	3	10474.17		2000.40	4.9990	0.0609	2.47E-03	2.06E-01	1.53E 00	4.44E 00	8.23E 00 3.80E-01	1.36E 00
11	10	45	44	23685.38		2000.40	4.9990	0.0303	0.0	0.0	2.97E-03	5.78E-02	3.41E-02	1.84E-01
12		67	66	29661.45	1	2000.66	4.9984	0.0303	0.0	0.0	6.37E-05	2.92F-03. 3.01E-01	1.40E 00	7.3.93E 00
10	9	32	31	20086.64		2001.07	4.9973	0.0331	0.0	3.49E-04	2.60E-02 5.49E-05	2.61E-01	3.11E-02	1.705-01
12		68	67	29885.90		2001.42	4.9965	E0E0.0	0.0	0.0 1.74E-03	2.21E-02	8.89F-02	·2.04E-01	3.45E-01
7	_	18		12729.73		2002.00	4.9950	0.0568	0.0	1.39F-01	3.74F-01	5.93F-01	7.328-01	7.95E-01
4	3	4	5	6265,97		2002.07	4.9948	0.0614	1.26F-02 1.53F 02	4.69E 02	6.66E 02	7.18F 02	6.87E 02	6.216 02
2		26	27	3580.03		2002.10	4.9948	0.0398 0.0303	0.0	0.0	4.73E-05	2.32F-03	2 83E-02	1.57E-01
12 11		69	- 68 .,	30113.47		2002.13	4.9947	0.0303		~~~~	2.72E-03	5.40F-02	3.61E-01	1.316 00
		46	45			2002.14	4.9946	0.0505	3.67E-04	1.04E-02	4.51E-02	9.48E-02	1.42E-01	1.76E-01
5	- 4	22	21	8236.14 17230.61		2002.13	4.9935	0.0496	0.0	3.39E-03	1.27E-01	9.78F-01	3.468 00	7.98E 00
		70	69	30344.16		2002.79	4.9930	0.0303	0.0	0.0	4.06E-05	2.06F-03	2.57E-02	1.45F-01
12	·	-13	12	14729.70		2002.86	4.9929	0.0610	3.09F-05	1.98F-02	4.08E-01	2.195 00	6.10E 00	1.18F 01
7	6	5	Δ.	12500.01	i	2003.01	4.9925	0.0614	2.59E-04	5.70E-02	6.88E-01	2.68E 00	6.03E 00	1.00E 01
5		ĕ	· •5-	8581.11	77	2003.14	4.9922	0.0624	9.47E-02	3.19E 00	1.50E 01	3.33E 01	5.14E 01	6.55E 01
10		33	32	20198.81		2003.37	4.9916	0.0326	0.0	3.24E-04	2.48E-02	2.92F-01	1.37F 00	3.8RE 00
	5	10		10385.77		2003.39	4.9915	0.0624	9.94E-05	7.92F-03	5.74E-02	1.64E-01	3.02E-01	4.34E-01
12		71	70	30577.96		2003.41	4.9915	0.0303	0.0	0.0	3.48F-05	1.83F-03	2.33E-02	1.34F-01
~~~ <u>~</u>		22	23	1012.90	2	2003.51	4.9912	0.0476	2.80F 01	2.49E 01	1.91E 01	1.42E 01	1.06F 01	8.01F 00
1	0	31	32	2023.43	1	2003.66	4.9909	0.0331	8.56E 02	1.24E 03	1.21E 03	1.05E 03	8.62E 02	7.00F 02
····ni	Tio	47	46	~~23998~83	<del></del> -	2003.84	4.9904	0.0303	0.0	0.0	2.48E-03	5.04F-02	3.42E-01	1.25E 00
3	2	20	21	5130.82	1	2003.96	4.9901	0.0515	1.92E 01	1.23E 02	2.54E 02	3.43E 02	3.80F 02	3.82E 02
` i2	11	7Ž	71	30814.84		2003.98	4.9901	0.0303	0.0	0.0	2.98E-05	1.61E-03	2.10E-02	1.23E-01
3	2	10	11	4405.02	2	2004.00	4.9900	0.0625	3.03E-01	1.37E 00	2.37E 00	2.87E 00	2.97F 00	2.83E 00
6	5	ī	2	10463.16	1	2004.14	4.9897	0.0606	1.67E-03	1.39E-01	1.03E 00	2.99F 00	5.53E 00	8.01E 00
4	3	14	15	6798.89		2004.31	4.9892	0.0597	1.65E 00	2.36E 01	7.27F 01	1.25E 02	1.62E 02	1.83E 02
2		16	17	2652.99		2004.47	4.9888	0.0585	3.90F 00	7.61E 00	8.64F 00	8.14E 00	7.11E 00	6.02F 00
12		73	72	31054-82		2004,51	4.9888	0.0303	0.0	0.0	2.54E-05	1.42E-03 9.07E-02	1.90F-02 2.10E-01	1.13E~01 3.56F-01
77	_	19	18	12792.23		2004.84	4.9879	0.0552	0.0	1.73E-03	2.24E-02 2.16E-05	1.256-03	1.71E-02	1.03E-01
12		74	73	31297.86		2004.99	4.9876	0.0303	0.0		0.0	7.80F-05	1.756-03	1.516-02
12		93	92	36484.12		2005.29	4.9868	0.0303	0.0	0.0 3.29F-03	1.26E-01	9.79F-01	3.498 00	8.09E 00
	8	23	_22_	17308.79		2005.34	4.9867	0.0476		3.296-03	0.0	1.10E-03	1 54F-02	9.47E-02
12		75	74	31543.96		2005.42	4.9865	0.0303	0.0	0.0	2.25E-03	4.69E-02	3.23E-01	1.20E 00
.11		48	47	24160.56		2005.49	4.9863	0.0303	5.45E-04	1.56E-02	6.75E-02	1.42F-01	2.12F-01	2.64F-01
. 5		3	2	8243.23		2005.59	4.9861	0.0609	5.45E=04 0.0	2.99E-04	2.35F-02	2.81F-01	1.34E 00	3.81E 00
10	9_	34	33	20314.43	1	2005.63	4.9860	0.0321	V•V	6179C-04	5.000-05			

								CA	RBON MONOXI	DE					
•	VU	٧L	JU	JL	LOWER	CODE	, WAVE ,	WAVE	HALF	******	* INTEGRATE	D ++ Apene	17777 T. 120		ar a ar ar ar ar ar ar ar ar
					STATE		NUMBER	LENGTH	WIDTH	*******	TNIEGRALE	CM*G		EPPICIENT #	****
-					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500			T = 3000	T = 3500
											1 - 1200	1 - 2000	1 = 2300	1 - 30.10	1 = 3500
	12	11	92	91	36184.92	1	2005.70	4.9858	0.0303	0.0	0.0		0 105 05		
1-00	4	3	3	4	6248.08	2	2005.78	4.9856	0.0611	1.03F-02	1.13E-01	0.0 3.04E-01	9.19F-05 4.80E-01	2.01E-03 5.92E-01	1.69E-02
	12	11	76	75	31793.11	1	2005.81	4.9855	0.0303	0.0	0.0	0.0	9.68E-04	1.39F-02	6.42E-01 8.66E-02
	8	7	14	13	14776.45	1	2005.96	4.9851	0.0604	3.11F-05	2.04E-02	4.26E-01	2.30E 00	6.44F 00	
	12	. 11	91	90	35888.57	i.	2006.06	4.9849	0.0303	0.0	0.0	0.0	1.08F-04	2.29E-03	1.25E 01 1.89E-02
-	12	11	77	76	32045.30	1	2006.16	4.9846	0.0303	0.0	0.0	0.0	8.47E-04	1.24F-02	7.90E-02
	12	11	90	89	35595.07	1	2006.38	4.9841	0.0303	0.0	0.0	0.0	1.27F-04	2.61E-03	2.12F-02
	7	6	6	5	12518.18	1.	2006.44	4.9840	0.0617	3.03E-04	6.74E-02	8.17E-01	`3.19F 00	7.19E 00	1.20F 01
	12	11	78	77	32300.53	1	2006.46	4.9839	0.0303	0.0	0.0	0.0	7.41E-04	1.11F-02	7.20E-02
	6	5	11	10	10420.87	2	2006.54	4.9837	0.0625	1.04E-04	8.43E-03	6.17E-02	1.78F-01	3.27E-01	4.72E-01
	12	11	89	88	35304.45	1	2006.65	4.9834	0.0303	0.0	0.0	0.0	1.48E-04	2.97E-03	2.36E-02
	12	11	79	78	32558.77		2006.71	4.9833	0.0303	0.0	0.0	0.0	6.46F-04	9.955-03	6.55E-02
	2	1	25	26	3477.63	1	2006.77	4.9831	0.0418	1.71F 02	4.99F 02	6.92E 02	7.36F 02	6 97E 02	6.25E 02
	12	11	89	87	35016.70	1	2006.87	4.9829	0.0303	0.0	0.0	0.0	1.73E-04	3.366-03	2.63E-02
	12	11	80	79	32820.01	1	2006.91	4.9828	0.0303	0.0	0.0	0.0	5.62F-04	8.895-03	5.965-02
	12	11	87	86	34731.85		2007.04	4.9825	0.0303	0.0	0.0	0.0	2.02F-04	3.84E-03	2.93E-02
	12	11	81	80	33084.24	1	2007.07	4.9824	0.0303	0.0	0.0	0.0	4.89F-04	7.92E-03	5.40F-02
	11	10	49	48	24325.62	i	2007.10	4.9823	0.0303	0.0	-0.ö	2.04F-03	4.36F-02	3.05E-01	1.14E 00
	5	4	7	8	8547.78	1	2007.12	4.9823	0.0623	8.85F-02	2.93F 00	1.37F 01	3.02F 01	4-65E 01	5.92F 01
-22	12	11	86	85	34449.91	ī	2007.16	4.9822	0.0303	0.0	0.0	0.0	2.35F-04	4.35F-03	3.26E-02
258	12	11	82	81	33351.46	1	2007.18	4.9821	0.0303	0.0	0.0	0.0	4 • 24F04	7.05E-03	4.90E-02
	12	11	65	84.	34170.88	ì	2007.24	4.9820	0.0303	0.0	0.0	-0.0	2.73F-04	4.92E-03	3.61F-02
	12	11	83	82	33621.65	1	2007.25	4.9819	0.0303	0.0	0.0	0.0	3.67E-04		
	12	11	84	83	33894.79		2007.27	4.9819	0.0303	0.0	0.0	-0.0	3.17F-04	6.26E-03 5.55E-03	4.43F-02 4.00E-02
	7	6	20	19	12858.20	2	2007.64	4.9810	0.0535	0.0	1.72E-03	2.25F-02	9.205-02	2.14E-01	3.65F-01
-	6	5	0	1	10455.82	ī	2007.84	4.9805	0.0603	8.47E-04	7.01E-02	5.18F-01	1.50F 0.0	2.786 00	4.03F 00
	10	9	35	34	20433.50	1	2007.85	4.9805	0.0317	0.0	2.75E-04	2.22F-02	2.71E-01	1.30E 00	3.74F 00
		0	21	22	928,62		2007.88	4.9804	0.0496	3.03F 01	2.59E 01	1.94E 01	1.43F 01"	1.06F 01	7.96E 00
	3	2	9	10	4365.34	2	2007.93	4.9803	0.0624	2.92E-01	1.30E 00	2.22E 00	2.68E 00	2.76= 00	2.63E 00
	9	8	24	23	17390.49	1	2008.03	4.9800	0.0457	0.0	3.18E-03	1.24E-01	7.76E-01	3.51F 00	8.17E 00
	3	2	19	20	5051.77	1	2008.40	4.9791	0.0535	2.05E 01	1.27E 02	2.57E 02	3.42F 02	3.514 00	
	1	0	30	31	1901.19	<u> </u>	2008-52	4.9788	0.0335	9.91F 02	1.35E 03	1.29E 03	1.09E 03	8 486 02	3.77E 02
	4	3	13	14	6742.87	1	2008.53	4.9788	0.0604	1.67F 00	2.33E 01	7.08E 01	1.20E 02	1.56E 02	1.75F 02
	2	1	15	16	2591.16	2	2008.62	4.9785	0.0591	4.02E 00	7.62E 00	8.52E 00	7.96≓ 00°	5.91E 00	5.83F 00
	11	10	50	49	24494.01	1	2008.67	4.9784	0.0303	0.0	0.0	1.85E-03	4.04F-02	2 · 87E-01	1.09F 00
	5	4	4	3	8253.86	2	2009.01	4.9776	0.0611	7.17E-04	2.06F-02	8.95F-02	1.89E-01	2 82E-01	3.51E-01
		7	15	14	14826.79	1	2009.02	4.9776	0.0597	3.10E-05	2.09E-02	4.41E-01	2.40F 00	6.74E 00	1.32F 01
	4	3	2	3	6233.77	2	2009.46	4.9765	0.0609	7.91E-03	8.61F-02	2.31E-01	3.645-01	4.48E-01	4.85F-01
_	6	5	12	11	10459.48	2	2009.65	4.9760	0.0617	1.08E-04	8.88E-03	6.56E-02	1.90E-01	3.51F=01	5.08E-01
	7	6	7	6	12539.99	1	2009.83	4.9755	0.0620	3.43E-04	7.71E-02	9.40F-01-	~3.68F 00	8.32F 00	1.39F 01
_	10	9	36	35	20556.01	1	2010.04	4.9750	0.0312	0.0	2.51E-04	2.09E-02	2.60F-01	1.27E 00	3.66E 00
_	(11	10	51	50	24665.70	1	2010.20	4.9746	0.0303	0.0	0.0	1.67E-03	3.74F-02	- 2 70E-01	1.04E 00
	7	6	21	20	12927.62	2	2010.40	4.9741	0.0515	0.0	1.69E-03	2.25E-02	9.705-02	2.18F-01	3.73F=01
	9	8	25	24	17475.72	1	2010.68	4.9734	0.0437	0.0	3.06E-03	"i.22E-01	9.69E-01	3.52F 00	์ คื. 235 กิด
	5	4	6	7	8518.15	1	2011.06	4.9725	0.0620	8.09F-02	2.64E 00	1.23E 01	2.70E 01	4.14F 01	5.25E 01
		i	24	25	3379.00	<u>-</u>	2011.41	4.9716	0.0437	1.90E 02	5.29E 02	7.17F 02	7.51F 02	7 05E 02	6.28F 02
	11	10	52	51	24840.71	1	2011.68	4.9710	0.0303	0.0	0.0	1.50E-03	3.45F-02	2 53E-01	9.835-01
	т э́	2	8	9	4329.25	2	2011.83	4.9706	0.0624	2.77E-01	1.21E 00	2.06F 00	2.46F 00	2.53E 00"	2.40F 00
	8	7	16	15	14880.71	1	2012.04	4.9701	0.0591	3.07E~05	2.12E-02	4.53E-01	2.48F 00	7.02E 00	1.38F 01
_	To	9 7	37	36	20681.96	1	2012.18	4.9697	0.0308	0.0	2.29F-04	1.97E-02	~ 2.49E-01	1.23E 00	3.58E 00
	1	0	20	21	847.99	2`	2012.21	4.9697	0.0515	3.25F 01	2.67E 01	1.97E 01	1.43E 01	1.05F 01	7.88E 00
-	5	4"	5	4	8268.04	- è	2012.39	4.9692	0.0614	8.80E-04	2.54E-02	ī.11F-01	-2.34F-01	**************************************	4.37E-01
	4	3	12	13	6690.57	1	2012.71	4.9684	0.0610	1.68E 00	2.28E 01	6.84E 01	1.15F 02	1.49E 02	1.67E 02
					***************************************		·····								A STATE WG

VU	) `VL"	บัน"	JĒ.	"" LOWER""	CODE	WAVE	WAVE	HALF	*******	* INTEGRATE		307 ** 001 TQ		
				STATE		NUMBER	LENGTH	WIDTH			CM*G	<u>γ-1</u> Τ = 2500°°°		
	,, ,			ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	 5	13	12	10501.59	2	2012.73	4.9684	0.0610	1.10E-04	9.26E-03	6.90F-02	2.01E-01	3.73F-01	5.42E-01
·ž	'' <b>''</b> i''	14	15	2532.96		2012.74	4.9684	0.0597	4.10E 00	7.57E 00	ัล 35F 00	7.73F 00	6.68E 00	5.62E 00
3		18	19	4976.46		2012.82	4.9682	0.0552	2.17F 01	1.30E 02	2.58F 02	3.41F 02	3.73E 02	3.71E 02
4		1	2 "	6223.04		2013.10	4.9675	0.0606	5.36F~03	5.81F-02	1.556-01	2.45F-01	3.01F-01	3.26F-01
11	10	53	52	25019.01	1	2013.13	4.9674	0.0303	0.0	0.0	1.34E-03	3.17E-02	2.37E-01	9.315-01
7		22	21	13000.48	2	2013.13	4.9674	0.0496	0.0	1.65F-03	~2.24E-02	9.365-02	2.21E-01	3.80E-01
7	6	8	7	12565.43	1	2013.18	4.9673	0.0623	3.79E-04	8.62E-02	1.06E 00	4.15E 00	9.41E 00	1.57E 01
ģ		26	25	17564.47		2013.29	4.9670	0.0418	0.0	2.92F-03 `	1.198-01	9.59F-01	3.51E 00"	8.27E 00
1	. 0	29	30	1782.72		2013.35	4.9668	0.0340	1.14E 03	1.47E 03	1.36E 03	1.13E 03	9.12E 02	7.29E 02
10	7779	38	37	20811.34		2014-28	4.9646	0.0303	0.0	2.08E-04	1.84E-02	2.375-01	1.19F 00	3.49E 00
11		54	53	25200.61	1	2014.53	4.9639	0.0303	0.0	0.0	1.20E-03	2.91E-02	2.22E-01	8.81E-01
′ [–] 5	4	š~	6	8492.22		2014.97	4.9629	0.0617	7.21E-02	2.33F 00	TIOSE OI	2.35E 01	3.60E 01	4.56E 01
8	7	17	16	14938.22	1	2015.03	4.9627	0.0585	3.00E-05	2.13F-02	4.62E-01	2.56E 00	7.27E 00	1.43E 01
6	`´S`	`T	``o``	" Ĭ 0′452 <b>.</b> `1′5`	1 2 2	2015.15	4.9624	0.0603	8.54€~04	7.06E-02	~5.22F-01	1.51E 00	2.80E 00	4.05E 00
3	2	7	8	4296.77	2	2015.70	4.9611	0.0623	2.59E-01	1.11E 00	1.87E 00	2.24E 00	2.29E 00	2.17E 00
"""s	- 4	6	5	8285.77	2	2015.74	4.9610	0.0617	1.03E-03	3.00F-02	1.32F-01	2.79E-01	4.19E-01	5.22E-01
6	5	14	13	10547.20	2	2015.77	4.9609	0.0604	1.116-04	9.56E-03	7.21F-02	2.115-01	3.94F-01	5.74E-01
~ ~ ~ <del>~</del>	6	23	22	13076.80	<u></u>	2015.83	4.9607	0.0476	7.0	1.616-03	2 • 22E-02	9.38E-02	2.23F-01	3.86E-01
9	8	27	26	17656.73	1	2015.86	4.9607	0.0398	0.0	2.78E-03	1.16F-01	9.46E-01	3.49E 00	8.29E 00
```` 1' î	~ 170°	<b>5</b> 5	``54```	25385.48	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4.9606	EOEOGO	0.0	0.0	1.07E-03	2.67F-02	7.07F-01	8.32F-01
2	. 1	23	24	3284.13	1	2016.01	4.9603	0.0457	2.10E 02	5.58E 02	7.39E 02	7.64F 02	7.10E 02	6.29E 02
10	9"	39	38	20944.14	""ı" -	2016.33	4.9595		0.0	1.88E-04"	1.72F-02	2.26F-01	1.14E 00	3.40F 00
7		9	8	12594.50	1	2016.49	4.9591	0.0624	4.09E-04	9.44E-02	1.17F 00	4.60E 00	1.05E 01	1.75F 01
· i		19	20	771.00	· <u>-</u>	2016.51	4.9591	0.0535	3.46F 01	"2.75F 01 "	1.99E 01	1.435 01	1.04E 01	7.76E 00
4		0	1	6215.88	2 '	2016.71	4.9586	0.0603	2.71E-03	2.935-02	7.82E-02	1.23E-01	1.516-01	1:64E-01
^ · ' 2		~`i3¯	14	2478.38	2 ~	2016.82	4.9583	0.0604	4.15F 00	7,46E 00	"8.13E 00	7.47É 00"	6.42E 00	5.37E 00
4	3	11	12	6642.00	1	2016.86	4.9582	0.0617	1.66E 00	2.21E 01	6.56F 01	1.10F 02	1.41E 02	1.57E 02
э	2	- ĭ7	18	4904.90	i	2017.20	4.9574	0.0568	2.29F 01	1.32E 02	2.58E 02	3.37F 02	3.66E 02	3.63E 02
11		56	55	25573.64	1	2017.20	4.9574	0.0303	0.0	0.0	9.54F-04	2.44F-02	1.92F-01	7.84E-01
e		-1a	17	14999.30		2017.98	4.9555	0.0568	2.92E-05	2.13E-02	4.69E-01	2.62F 00	7.49E 00	1.48E 01
ī		28	29	1668.03	i	2018+14	4.9551	0.0359	1.30E 03	1.59E 03	1.43F 03	1.17E 03	9.356 02	7.41E 02
10	~~~~	"4õ"	39	'21'060'37	1	~2018.35~	4.9545	EOEO.O	0.0	1.69E-04	1.60F-02	2.14E-01	L. TOE TOO	3.30E 00
9		28	27	17752.52		2018.39	4.9544	0.0379	0.0	2.635-03	1.12E-01	9.29F-01	3.46F 00	8.27F 00
11	10	<b>57</b>	56	25765.06		2018.47	4.9542	0.0303	0.0	7.0	8.46E-04	2.22E-02	1.79E-01	7.38E-01
7		24	23	13156.57		2018.49	4.9542	0.0457	0.0	1.55F-03	2.19E-02	9.36E-02	2.24E-01	3.90E-01
6		2	~ '1'-	10455.82		2018.75	4.9536	0.0606	1.70E-03	1.41E-01	1.04E 00	3.03F 00	5.60E 00	8.11E 00
6		15	14	10596.32		2018.78	4.9535	0.0597	1.11F-04	9.786-03	7.475-02	2.21F-01	4.13E-01	6.04F-01
້ ້ ຮ		1 77	~~~ <del>```</del>	8470.00°		2018.85	4.9533	0.0614	6.55E-05	1.99E 00	9.13F 00	17.99F 01	3.04E 01	3.85€ 01
5		7	6	8307.03		2019.05	4.9528	0.0620	1.17F-03	3.44F-02	1.52E-01	3.22F-01	4 - 95E-01	6+05E-01
<u>-</u> 3		6	····ź ·	4267.90		2019.53	4.9516	0.0620	2.36F-01	``1.00€`00'	1.68F 00	1.99F 00	2.04F 00	1.93E 00
11	10	58	57	25959.75	1	2019.70	4.9512	0.0303	0.0	0.0	7.49F-04	2.02E-02	1.66E-01	6.94E-01
· 7		10	9	12627.20	1	2019.77	4.9511	0.0624	4.34F-04	1.02E-01	1.27E 00	5.03E 00 "	1.150 01	1.93E 01
10	-	41	40	21220.01	ĭ	2020.33	4.9497	0.0303	0.0	1.52E-04	1.49E-02	2.03F-01	1.05F 00	3.19F 00
2	1	~ <u>;;;</u> ,,,	23	~~3193.03`	~~~ <u>`</u> ~~~.	2020.59	4.9490	0.0476	2.30F 02	5.85E 02	7.58E 02	7.73F 02 "	"7.13E 02"	6.28E 02
1	ō	18	19	697.65		2020.78	4.9486	0.0552	3.66F 01	2.81F 01	2.00E 01	1.42F 01	1.03E 01	7.62E 00
- ·- <u>-</u> 2		12	13	2427.44		2020.88	4.9483	0.0610	4.15F 00	7.29F 00	7.85E 00	7.16E 00	6.12E 00	5.11F 00
11	_	59	58	26157.68		2020.88	4.9483	E0E0.0	0.0	0.0	6.61F-04	1.84F-02	1.53F-01	6.51E-01
9		29	28	17851.80		2020.88	4.9483	0.0359	0.0		1.085-01	9.10E-01	3.42F 00	8.23E 00
	_	19	18	15063.96	ī	2020.89	4.9483	0.0552	2.816-05	2.12E-02	4.74E-01	2.67F 00	7.58E 00	1.52F 01
_	·					2020.97	4.9481	0.0625	1.63F 00	2.12F 01	6.22E 01	1.04F 02	1.32E 02	1.47F 02
8	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10												
_		10 25	24	6597.16 13239.77	1									
8	6	25 16	24 17	13239.77 4637.09	2	2021.11	4.9478	0.0437	0.0 2.39E 01	1.50F-03 1.34E 02	2.15E-02 2.57E 02	9.31E-02	2.25E-01 3.59E 02	3.93E-01 3.53E 02

VU	~ vi	JÜ	JL	LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRATI	D ** ABSORE		FFTCTENT *	*****
				STATE		NUMBER CM-1	MICRON	WIDTH '	T = 1000	T = 1500	CM*GA T = 2000	T = 2500	T = 3000	T = 3500
	<del></del>						11101011					1 2 2000		1 = 3300
11	10	60	59	26358.85	1	2022.02	4.9455	0.0303	0.0	0.0	5.82F-04	1.66E-02	1.42F-01	6.09F-01
~~ió	9	42	41	21363.06	1	2022.27	4.9449	0.0303	0.0	1.36E-04	1.37E-02	1.92F-01	1.01F 00	3.09E 00
6	<del>5</del>	3	2	10463.16		2022.31	4.9448	0.0609	2.53F-03	2.10F-01	1.56E 00	4,53F 00	8.39E 00	1.22F 01
<u>š</u>	- 4	ë	<del>-</del>	8331.84		2022.33	4.9448	0.0623	1.29E-03	3.85E-02	1.71E-01	3.64E-01	5.48E-01	6.86F-01
5		3	4	8451.48	1	2022.70	4.9439	0.0611	5.11E-02	1.62E 00	7.41E 00	1.61F 01	2.46E 01	3.11E 01
1	~ `o	27	28	1557.12	i	2022.91	4.9434	0.0379	1.48E 03	1.71E 03	1.50E 03	1.21E 03	9.55E 02	7.52F 02
7	6	11	10	12663.53	1	2023.01	4.9431	0.0625	4.54E-04	1.08E-01	1.36E 00	5.43E 00	1.24E 01	2.09E 01
ı î	10	61	60	26563.26	ī T	2023.12	4.9429	0.0303	0.0	0.0	5.10E-04	~~~i~\$òÈ−o∂~	1.30E-01	5.70F-01
9	8	30	29	17954.60	1	2023.34	4.9423	0.0340	0.0	2.33E-03	1 - 04E-01	8.895-01	3.38F 00	8.17E 00
~ ~ 3	2	5	6	4242.63	2	2023.34	4.9423	0.0617	2.10E-01	8.82E-01	1.47E 00	1.74F 00	1.77E 00	1.67F 00
7	6	26	25	13326.42	2	2023.70	4.9414	0.0418	0.0	1.43E-03	2.11E-02	9.22E-02	2.25E-01	3.95E-01
8	7	20	19	15132.20	1	2023.76	4.9413	0.0535	2.68E-05	2.09E-02	4.75E-01	2.70E 00	7.84E 00	1.56F 01
4	. 3	1	0	6212,30	2	2023.83	4.9411	0.0603	2.74E-03	2.955-02	7.87E-02	1.24E-01	1.52E-01	1.65E-01
10	9	43	42	21509.51	1	2024.16	4.9403	0.0303	0.0	1.21E-04	1.27E-02	‴วีวิ≈ือฮ่~่อเั‴	9.65E-01	2.98F 00
11	10	62	61	26770.90	1	2024.17	4.9403	0.0303	0.0	0.0	4.47E-04	1.36F-02	1.20F-01	5.325-01
···· 6	5	17	~ ~ 1 6 °	10705.04	2	2024.69	4.9390	0.0585	1.08E-04	1.00E-02	7.85F-02	2.36F-01	4.46F-01	6.57E-01
2	1	11	12	2380.12	2	2024.91	4.9385	0.0617	4.11E 00	7.055 00	7.51E 00	6.81F 00	5.80E 00	4.82E 00
<u>î</u>	- ō	17	18	627.96		2025.03	4.9382	0.0568	3.85E 01	2.85E 01	1.99E 01	1.40E 01	1.01E 01	7.46F 00
4	3	9	10	6556.05	1	2025.06	4.9381	0.0624	1.57F 00	2.01E 01	5.84E 01	9.67E 01	1.23E 02	1.36E 02
2	- '''T	21	22	3105.69	1	2025.13	4.9380	0.0496	2.50E 02	6.09E 02	7.74E 02	7.90E 02	7.14E 02	5.25E 02
11	10	63	62	26981.75	1	2025.18	4.9378	0.0303	0.0	0.0	3.90E-04	1.22F-02	1-105-01	4.95F-01
5	4	-1-g	8	8360.19	2	2025.57	4.9369	0.0624	1.40E-03	4.22E-02	1.88E-01	4.04E-01	6-10E-01	7.65E-01
9	8	31	30	18060.90		2025.75	4.9364	0.0335	0.0	2.18E-03	9.98E-02	8.65E-01	3.32E 00	8.10E 00
9	5	4	3-	10474.17		2025.84	4.9362	0.0611	3.33E-03	2.78E-01	2.07E 00	6.02E 00	1.125 01	1.62E 01
3		15	16	4773.03		2025.86	4.9362	0.0591	2.47E 01	1.34E 02	2.54F 02	3.25E 02	3.49E 02	3.425 02
· īö	9	44	43	21659.36		2026.02	4.9358	0.0303	0.0	1.07E-04	1.17E-02	1.70E-01	9.19F-01	2.87E 00
11	10	64	63	27195.80	1	2026.15	4.9355	0.0303	0.0	0.0	3.40E-04	1.10E-02	1.01E-01	4.61F-01
^ 7	6	12	íii `	12703.48		2026.22	4.9353	0.0617	4.68E-04	1.14E-01	1.45E 00	5.80E 00	1.33E 01	2.25F 0
7	- 6	27	26	13416.50	2	2026.25	4.9352	0.0398	0.0	1.37E-03	2.05E-02	9.11F-02	2.24E-01	3.96E-0
-" š	·" •	· · · · · ·	'ä -	8436.66	1	2026.51	4.9346	0.0609	3.92E-02	1.23E 00	5.63E 00	1.22F 01	1.86E 01	2.35E 0
8	7	21	20	15204.01	1	2026.60	4.9344	0.0515	2.54E-05	2.05E-02	4.75E-01	2.736 00	7.96F 00	1.60E 0
- îī	To	65	64	27413.06	1	2027.07	4.9332	0.0303	0.0	0.0	2.95E-04	าาเร็น คือรู้ เรื่อรู้ คือรู้	9.24E-02	4.28F-0
3		4	5	4220.97		2027.11	4.9331	0.0614	1.81F-01	7.52E-01	1.25E 00	1.47E 00	1.49E 00	1.41E 00
- A	3.	- · · · · · · · · · · ·	1-	€215.88		2027.35	4.9325	0.0606	5.45F-03	5.89E-02	1.57E-01	2.48E-01	3.05E-01	3.30F-0
6	- 5	18	17	10764.64		2027.59	4.9320	0.0568	1.05E-04	1.00E-02	7.98E-02	2.42E-01	4.60E-01	6.80F-01
1	······ ío	. 26°	<u>~27</u> *	1449.99	1	2027.64	4.9318	0.0398	1.67E 03	1.84E 03	1.57E 03	1.25F 03	9.72E 02	7.60F 0
10	9	45	44	21812.60	1	2027.83	4.9314	0.0303	0.0	9.48E-05	1.07E-02	1.595-01	8.74E-01	2.76E 0
11	10	66	65	27633.50		2027.94	4.9311	E0E0.0	0.0	0.0	2.55E-04	8.78E-03	8.44E-02	3.97F-0
9	8	32	31	18170.69		2028.12	4.9307	0.0331	0.0	5.05E-03	9.53E-02	8.39E-01	3.26E 00	8.00E 0
7	, ້ 6້	` 28 '	27	13510.01		2028.76	4.9291	0.0379	0.0	1.30E-03	1.99E-02	8.96F-02	2 • 22E-01"	3.96E-0
11		67	66	27657.12		2028.77	4.9291	0.0303	0.0	0.0	2.21E-04	7.83F-03	7.70F-02	3.67E-0
5		10	9	8392.08		2028.79	4.9290	0.0624	1.48F-03	4.55E-02	2.05E-01	4.41E-01	6.69F-01	8.40E-0
2	1	10	11	2336.44		2028.90	4.9288	0.0625	4.02E 00	6.76E 00	7.12E 00	6.41E 00	5.44F 00	4.51E 00
4		8	9-	6518.68		2029.10	4.9283	0.0624	1.50E 00	1.88E 01	5.41E 01	8.91E 01	1.13E 02	1.25E 0
1	0	16	17	561.92		2029.24	4.9280	0.0585	4.00F 01	2.87E 01	1.98E 01	1.38E 01	9.88E 00	7.26E 0
<u>-</u>		- S	4.	10488.85		2029.33	4.9277	0.0614	4.08E-03	3.43E-01	2.56E 00	7.47F 00	1.39F 01	2.028 0
7	6	13	12	12747.07		2029.39	4.9276	0.0610	4.77E-04	1.195-01	1.52E 00	6.14F 00	1.42F 01	2.40F 0
<u>-</u>		22	Žī	15279.39		2029.39	4.9276	0.0496	2.39E-05	2.00E-02	4.72E-01	2.74F.00	8.06E 00	1.62E 0
11		68	67	28083.91		2029.56	4.9272	0.0303	0.0	0.0	1.90E-04	6.98F-03	7.01E-02	3.40E-0
		46	45	21969.23		2029.60	4.9271	0.0303	0.0	8.34E-05	9.76E-03	1.49E-01.	8.30E-01	2.65E 0
		20	21	3022.13			4.9270							
	1													
3			15	. 4712.73		2029.64	4.9258	0.0515	2.69E 02 2.53E 01	6.32E 02	7.87E 02	7.84E 02	7.11E 02	6.19E 02

` <b>የ</b> ህ 1 የ	゚゙゙゙゙゠゚゙ヺ゚゙゙゙゙゙゙゚゚゚゚゙゚ヹ゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚ヹ゚゚゚゚゚゚゚゚	"j∟‴	~~Lower~~	`cooe	WAVE	WAVE	HALF	*******	* INTEGRATE			FFTCTENT *	******
			STATE		NUMBER	LENGTH	WIDTH			CM*G			
			ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
													7 175 01
	0 69		28313.86		2030.30	4.9254	0.0303	0.0	· 0.0	1.64E-04	6.20F-03	6.36F-02	3.13E-01
	8 33	32	18283.98		2030.46	4.9250	0.0326		1.87E-03	9.07E-02	8-12F-01	3.186 00	
·6	5 19	18	10827.74	_2	2030.46	4.9250	0.0552	1.01E-04	9.99E-03	8.065-02	2.465-01	4.72E-01	7.01E-01
	<b>ื</b> ∄ี	2	6223.04	2	2030.83	4.9241	0.0609	8.115-03	8.80F-02	2.35F-01	3.71F-01	4.575-01	4.95E-01
, 3	2 3	4	4202.92	_2	2030.85	4.9240	0.0611	1.49F-01	_6-13F-01	1.01F 00	1,195,00	1.21E 00	1.14E 00
	0 99	98	36625.89	- <u>i</u>	2030.99	4.9237	E0E0.0	0.0	0.0	0.0	7.21F-05	1.64E-03	1.43E-02
	0 70	. 69	<b>_28546</b> +96		2031.00	4.9237	0.0303	0.0	** ** ***** *** **********************	1.40F-04	5.50E-03	5+77E-02_	2.89E-01
7	6 ~ 29 ~	28	~13606.95		2031.24	4.9231	0.0359	0.0	1.232-03	1.93F-02	8.79E-02	2.20F-01	3.95E-0t
10	9 47	46	22129.23	1	2031.33	4.9229	0.0303	0.0	7.31F-05	_8.90E-03	1.398-01	7.86E-01	2.53E 00
11 1		70	28783.19		2031.65	4.9221	E0E0.0	0.0	0.0	1.20E-04	4.875-03	5.23E-02	2.66E-01
11 1		97	36306.52	1	2031.66	4.9221	0.0303	0.0	0.0	0.0	_8.60E-05	1.90E-03	1.62E-02
_	4 11	10	8427.51		2031.97	4.9213	0.0625	1.55E-03	4.85E-02	2.20E-01	4.76E-01	7.25E-01	9.13E-01
	7 _ 23 _	22	_1535@ _* 34		2032.15	4.9209	0.0476	2.24F-05	1.94E-02	4.67E-01 .	2.74E 00	8.13E 00	1.65E 01
~~~~ii~ ī		71	29022.55		2032.26	4.9206	0.0303	0.0	0.0	1 02E-04	4.30F-03	4.72E-02	2.44E-01
11 1	0 97	96	35989.95	1	2032.28	4.9206	0.0303	_ <u>0 • 0</u>	0.0	0.0	1.02F-04	2.19E-03	1.83E-02
	0 25	26	1346.66		2032.35	4.9204	0.0418	1.86E 03	1.96E 03	1.635 03	1.28F 03	9.A7F 02	7.56F 02
7	6 14	13	12794.27	1	2032.52	4.9200	0.0604	4.81E-04	1.22E-01	1.59E 00	6-45E 00	1 + 49F 01	2.54F 01
	8 34		18400.75		2032.75	4.9194	0.0321	0.0	1.73E-03	8.60F-02	7.836-01	3.11F 00	7.76F 00
6	5 6	5	10507-20		2032.79	4.9193	0.0617	4.77E-03	4.06E-01	, 3.04E, 00 -	. 8. 64E 00 Z	1 • 65E ,01	2.41F 01
E 11 1		72	29265.04		2032.82	4.9193	0.0303	0.0	0.0	``8.71E-05	3.795-03	4.26E-02	
11 1	0 96	95	35676.18		2032.85	4.9192	E0E0.0	0_0	0.0	0.0	1.22F-04	2.53F-03	2.06F-02
Z	î 9	10	2296.39		2032.86	4.9192	0.0624	3.88E 00	6.40E 00	6.68E 00	5.935 00	5.05E 00	4-18E 00
10	9 48	47	22292.60	1	2033.02	4.9188	E0E0.0	0.0	6.396-05	8.08E-03	1.29E-01	7.43E-01	2.42E 00
4	3 77	8	6485.03		2033.12	4.9185	0.0623	1.40E GO	1.73E 01	4.94E 01	TA.09F 01	" 1.02E 02"	1.13E 02
6	5 20	19	10894.32		2033.29	4.9181	0.0535	9.69E-05	9.87E-03	8.10F-02	2.50E-01	4.82E-01	7.19E-01
iii i		73	29510.62	1	2033.34	4.9180	0.0303	0.0	70.0	7.40F-05	``3.33F-03``	7.84E-02	2.05F-01
11 1		94	35365.23	1	2033.38	4.9179	0.0303	0.0	0.0	0.0	1 - 4 4F-04	2.91F-03	2.32F-02
	0 15	16	499.54		2033.42	4.9178	0.0591	4.13E 01	2.88F 01	1.956 01	1.35F 01	9.60E 00	7.036 00
7	6 30	29	13707.32	2	2033.68	4.9172	0.0340	0.0	1.156-03	1.86F-02	8.50E-02	2.17F-01	3.93E-01
11 1		74	29759.31	1	2033.81	4.9169	0.0303	0.0	0.0	6.27E-05	2.93E-03	3.45E-02	1.88E-01
111 5		93	35057.12		2033.85	4.9168	0.0303	0.0	0.0	. 0.0	1.71E-04	3.34F-03	2.61F-02
	* 4 ~ 0 ~	mì ^	"`E418.13	1	2034.02	4.9164	0.0603	1.35F-02	4.20F-01	1.91F 00	4.14F 00	6.308 000	7.93E 00
2	1 19	20	2942.34		2034.12	4.9161	0.0535	2.88E 02	6.51E 02	7.96E 02	7.94F .02	7.06E_02.	6.11E 02
11 1		75	30011.07		2034.23	4.9159	0.0303	0.0	0.0	5.30E-05	2.56E-03	3.10F-02	1.71F-01
	3 4	3	6233.77	2	2034.27	4.9158	0.0611	1.07E-02	1.16F-01	3.12E-01	4.936-01	6.08F-01	6.58F-01
	0 93	92	34751.86	1	2034.28	4.9157	0.0303	0.0	0.0	0.0	2.02F-04	3.94E-03	2.94E-02
<u>, , 3</u> .	2 13	14	4656.18	1	2034.39	4.9155	0.0604	2.56F 01	1.32F 02	2.43E 02	3.06E 02	3.25F 02	3.168 02
3	`2 ´ ´ ^ 2´ `	"`` 3 ""	41 28.48		2034.56	4.9151	0.0609	1.14F-01	4.67F-01	7.68F-01	'9'-03F-01	9.15F-01	8.62E-01
	0 77	76	30265.92		2034:61	4.9149	0.0303	0.0	0.0	_4.46E-05	2.24E-03	2.77E-02	1.56E-01
	0 792	91	34449.46		2034.66	4.9148	0.0303	0.0	0.0	0.0	2.385-04	4.40E-03	3.30E-02
10	9 49	48	22459.34		2034.67	4.9148	0.0303	0.0	5.566-05	7.32E-03	1.20E-01 2.73E 00	7.00E-01 8.16E 00	2.31E 00 1.66F 01
	7 24		15440.84		2034.87	4.9143	0.0457	2.07E-05	1.886-02	4.59E-01			1.42F-01
11 1		77	30523.82		2034.94	4.9141	0.0303	0.0	0.0	3.75E-05	1.96E-03	2.48E-02 5.03F-03	3.696-02
1711		90	34149.94		2034.99	4.9140	0.0303	0.0	0.0	0.0	2.80E-04		4
	8 35	34	18521.00	1	2035.01	4.9140	0.0317	0.0	1.59F-03	8.13E-02	7.53E-01 - 5.09E-01	7.78E-01	7.61E 00
_	4 12	11	8466.48		2035.11	4.9137	0.0617	1.60E-03	5-106-02	2.346-01			
11 1		78	30784.78	1	2035.23	4.9134	0.0303	0.0	0.0	3.15E-05	1.70F-03 3.29F-04	2.22E-02 5.74F-03	1.29E-01 4.13E-02
Ti Ti		89	33853.30		2035.27	4.9134	0.0303	0.0	0.0			1.99F-02	
11 1	0 80	.79	31048.78		2035.47	4.9129	0.0303	0.0		2.64E-05	1.48F-03	6.54F-03	1.17E-01
11 1	0 89	88	33559.57		2035.50	4.9128	0.0303	0.0	0.0	0.0	3.85E-04		4.62E-02
- - 7	6 15	14	12845.10	1	2035.62	4.9125	0.0597	4.79E-04	1.25E-01	1.64E 00	6.72F 00	1.57E 01	2.67E 01
	0 81		31315.80		2035.66	4.9124	0.0303	0.0	0.0	2.20E-05	1.285-03	1.76E-02	1.06E-01 5.15E-02
11 1	0 88	87	33268.76	1	2035.69	4.9123	0.0303	0.0	0.0	0.0	4.51E-04	7.45E-03	3.135-05

CARBON MONOXIDE

VU	1	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		FFICIENT *	*****
					ENERGY		CH-1	MICRON	H2	T = 1000	T = 1500	T = 2000	´T = 2500	T = 3000	T = 3500
11		10	82	81	31585.85		2035.80	4:9121	0.0303	0.0	0.0	0.0	1.11F-03	1.56E-02	9.64E-02
11		10	87	86	32980.87		2035.83	4.9120	0.0303	0.0	0.0	0.0	5.27E-04	8.46E-03	5.74E-02
11		10_	83	82	31858.89		2035,90	4.9118	E0E0.0	0.0	0.0	0.0	9.62E-04	1.39E-02	8.71E-02
11		10	86	85	32695.94		2035.92	4.9118	0.0303	0.0	0.0	0.0	6 • 1 4E-04	9.60E-03	6.38E-02
11		10	84	83	32134.93		2035.95	4.9117	0.0303	0.0	0.0	0.0	8.30E-04	1.23E-02	7.86E-02
11		10	85	84	32413.95		2035.96	4.9117	0.0303	0.0	0.0	0.0	7.14E-04	1.09E-02	7.095-02
7		6	31	30	13811.11		2036.08	4.9114	0.0335	0.0	1.08E-03	1.78E-02	8.38F-02	2.14E-01	3.89E-01
6		5	21	20	10964.39		2036.09	4.9114	0.0515	9.21E-05	9.71E-03	8.10E-02	2.53E-01	4.90E-01	7.35E-01
6		5	7	6	10529.21		2036.22	4.9111	0.0620	5.41E-03	4.64E-01	3.50E 00	1.03F 01	1.91E 01	2.79E 01
10		9	50	49	22629.43		2036.27	4.9109	0.0303	0.0	4.82E-05	6.62E-03	1.11E-01	6.59E-01	5.50E 00
2		1	8	9	2259.98		2036.79	4.9097	0.0624	3.68E 00	5.97E 00	6,18E 00	5.51E 00	4.64E 00	3.83E 00
1		0	24	25	1247.11		2037.02	4.9091	0.0437	2.07E 03	2.08E 03	1.69E 03	1.30E 03	9.99E 02	7.70E 02
4		3_	6	7	6455.12		2037.10	4.9089	0.0620	1.28E 00	1.56E 01	4.42E 01	7.22E 01	9.11E 01	1.00E 02
9		8	36	35	18644.73		2037.22	4.9086	0.0312	0.0	1.456-03	7.66E-02	7.22E-01	2.93E 00	7.45F 00
	3	7	25	24	15526.91		2037.56	4.9078	0.0437	0.0	1.80E-02	4.51E-01	2.71F 00	8.17E 00	1.68E 01
ī		0	14	15	440.81		2037.57	4.9078	0.0597	4.22E 01	2.86E 01	1.91E 01	1.31E 01	9.29F 00	6.77E 00
	4	3_	5_	4	6248.08		2037.68	4.9075	0.0614	1.31E-02	1.445-01	3.87E-01	6.12F-01	7.56E-01	8.20E-01
10		9	51	50	22802.87		2037.83	4.9072	0.0303	0.0	4.17F-05	5.96E-03	1.02F-01	6.19E-01	2.09E 00
		4	13	12	8508.98		2038.22	4.9062	0.0610	1.64E-03	5.32E-02	2.46E-01	5.39E-01	8.28E-01	1.05E 00
3	3	2	1	2	41,77.65	2	2038.23	4.9062	0.0606	7.75E-02	3.15F-01	5.17E-01	6.07F-01	6.15F-01	5.79E-01
7		6	32	31	13918.32		2038.45	4.9057	0.0331	0.0	1.01F-03	1.71F-02	8.15E-02	2.10F-01	3.85E-01
2		1	18	19	2866.33		2038.57	4.9054	0.0552	3.06E 02	6.67E 02	8.00E 02	7.80F 02	6.97E 02	6.01E 02
3		2	12	13	4603.40		2038.61	4.9053	0.0610	2.57E 01	1.29E 02	2.35E 02	2.94E 02	3.10F 02	3.01E 02
	7	6	16	15	12899.54	î	2038.68	4.9051	0.0591	4.73E-04	1.27E-01	1.69E 00	6.96E 00	1.63F 01	2.79E 01
6		5	22	21	11037.95		2038.85	4.9047	0.0496	8.695-05	9.49E-03	8.06E-02	2.545-01	4.975-01	7.48F-01
10)	9	52	51	22979.66	i	2039.35	4.9035	E0E0.0	0.0	3.59E-05	5.35E-03	9.42E-02	5.80E-01	1.98E 00
9		8	37	36	18771.94		2039.40	4.9034	0.0308	0.0	1.32F-03	7.19F-02	6.91F-01	2.84E 00	7.27E 00
	5	5	`e^	7	10554.90	1	2039.60	4.9029	0.0623	5.96F-03	5.19E-01	3.93E 00	1.16F 0,1	2.17F 01	3.16E 01
8	3	7	26	25	15616.54	1	2040.20 -	4.9015	0.0418	0.0	1.72E-02	4.40E-01	2.68F 00	8.15E 00	1.68E 01
2		1	7	8	2227.21	2	2040.70	4.9003	0.0623	3.44F 00	5.49F 00	5.64E 00	5.00F 00	4.20E 00	3.46E 00
7		6	33	32	14028.93		2040.78	4.9001	0.0326	0.0	9.36E-04	1.63E-02	7.89E-02	2.06E-01	3.80E-01
10)"" "	9	53	52	23159.78	1	2040.83	4.9000	0.0303	0.0	3.08E-05	4.80E-03	8.666-02	5.43E-01	1.9AE 00
4	,	3	5	6	6428.95	1	2041.05	4.8994	0.0617	1.14F 00	1.37E 01	3.87E 01	6.30E 01	7.93E 01	8.72E 01
· 4	•	ӭ́	_ ¢_,	-5	6265.97	2	2041.06	4.8994	0.0617	1.535-02	1.70E-01	4.60E-01	7.29F-01	9.02E-01	9.79F-01
5	5	4	14	13	8555.02	2	2041.29	4.8989	0.0604	1.65E-03	5.49E-02	2.57E-01	5.67E-01	8.74E-01	1.115 00
5		4	- i	0	8414.43	1	2041.40	4.8986	0.0603	1.36E-02	4.23E-01	1.92E 00	4.16E 00	6.34E 00	7.99F 00
9		8	38	37	18902.61	1	2041.53	4.8983	0.0303	0.0	1.20E-03	6.73E-02	6.598-01	2.74F 00	7.09E 00
~~~~~	5	5	23	22	11114.98	2	2041.58	4.8982	0.0476	8.14E-05	9.23E-03	7.99E-02	2.54E-01	5.01E-01	7.59F-01
1		O	23	24	1151.37		2041.66	4.8980	0.0457	2.29E 03	2.19F 03	1.74F 03	1.33E 03	1.01F 03	7.71E 02
1		Ō,	íЗ	14	385.75	2	2041.69	4.8979	0.0604	4.27E 01	2.82E 01	1.86E 01	1.27F 01	8.92E 00	5.48E 00
7	•	6	17	16	12957.61	1	2041.70	4.8979	0.0585	4.63E-04	1.286-01	1.72E 00	7.17E 00	1.69E 01	2.90F 01
<u>-</u> 3	3	5		<u>1</u> -	4170.43	2	2041.87	4.8975	0.0603	3.92E-02	1.59E-01	2.60E-01	3.05E-01	3.095-01	2.91F-01
10	)	9	54	53	23343.22	1	2042:26	4.8965	0.0303	0.0	2.63E-05	4.28E-03	7.955-02	5・07で-01	1.78E 00
E	J ~~	2	~î`î`~	12	** 4554.37	ĭ	2042.79	4.8953	0.0617	2.55E 01	1.25F 02	2.25E 02		2.94E 02	2.84E 02
8	3	7	27	26	15709.71		2042.80	4.8952	0.0398	0.0	1.64E-02	4.28E-01	2.65E 00	8.11E 00	1.68E 01
6	5	5-	_ <u></u>	8	10584.25		2042.95	4.8949	0.0624	6.44E-03	5.68E-01	4.34E 00	1.28F 01	2.41E 01	3.52F 01
2		1	17	18	2794.11	1	2042.98	4.8948	0.0568	3.23E 02	6.79E 02	8.01E 02	7.72E 02	6.86F 02	5.88E 02
7		6-	34		14142.96	<u></u>	2043.07	4.8946	0.0321	0.0	8.65F-04		7.63F-02	2.01E-01	3.74F-01
9		В	39	38	19036.74	1	2043.63	4.8933	0.0303	0.0	1.086-03	6.28F-02	6.25F-01	2.64F 00	6.89F 00
` 10		9""	`55^	″54″	23529.98		2043.65	4.8932	0.0303	0.0	2.24E-05	3.82E-03	7.27E-02	4.72E-01	1.68F 00
6		5	24	23	11195.50		2044.27								
· · ·		4.	15-	14-	8604.60		2044.27	4.8917	0.0457	7.57F-05	8-930-03	7.88E-02	2.54E-01	5.04E-01	7.68E-01
4	-	3	7	6	6287.43					1.65E-03	5.62E-02	2.66E-01	5.916-01	9.16E-01	1.17E 00
	•				060/43		2044.41	4.8914	0.0620	1.745-02	1.945-01	5.29E-01	8.42E-01	1.04F 00	1.148 00

	Vú	"VĽ	JU		LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRATE			EFFICIENT *	****
					STATE		NUMBER	LENGTH	WIDTH			CM*G		· -=	
					ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	7 = 7400	.T = 3000	T = 3500
	2	1	6	7'	2198.07	2	2044.56	4.8910	0.0620	3.14F 00	4.95F 00	5.05E 00	4.46E 00	3.74E 00	3.07F Q0
	<b>"""</b> ን	6	18	17	13019.29	1	2044.68	4.8907	0.0568	4.49E-04	1.27E-01	1.75E 00	7.34E 00	1.74E 01	3.00E 01
	4	3	4	5	6406.52	1	2044.96	4.8901	0.0614	9.84E-01	1.17E 01	3.29F 01	5.33F 01	6.69F 01	7.35E 01
	10	9	56	55	23720.06	1	2045.00	4.8900	0.0303	0.0	0.0	3.39E-03	6.64E-02	4.39E-01	1.58E 00
	5	4	2	1	8418.13	1	2045.03	4.8899	0.0606	2.71E-02	8-46E-01	3.84E 00	8.33F 00	1.27F 01	1.60E 01
	7	6	35	34	14260.39	2	2045.33	4.8892	0.0317	0.0	7.97E-04	1.47E-02	7.35F-02	1.96E-01	3.68E-01
	8		28	_27_	15806.43	1	2045.37	4.8891	0.0379	0.0	1.55E-02	4.14E-01	2.60F 00	8.04F.00	1.68E 01
	, 9		40	39	19174.33		2045.68	E888.4	0.0303	0.0	9.73E-04	5.84E-02	5.94F-01	2.54F 00	6.69F 00
	1	0	12	13	334.34	2	2045.78	4.8881	0.0610	4.28E 01	2.76F 01	1.80F 01	1.22E 01	8.51F 00	6.16E 00
	1	0	22	23	1059.42	1	2046.27	4.8869	0.0476	2.51F 03	2.30F 03	1.79E 03	1.34F 03	1.01F 03	7.70E 02
	6	5	10	9	10617.26	1	2046.27	4.8869	0.0624	6.83E-03	6.13E-01	4.72E 00	1.40E 01	2.64F 01	3.87F 01
	10	9	57	56	23913.44	1	2046.31	4.8868	0.0303	0.0	0.0	3.00E-03	6.05E-02	4.07F-01	1.48E 00
		5	25	24,	11279.49	2	2046.93	4.8854	0.0437	7.00E-05	8.59E-03	7.73E-02	2.52E-01	5.055-01_	7.74E-01
	3"	2		11	4509.11	1	2046.94	4.8853	0.0625	2.50E 01	1.20E 02	2.13E 02	2.64E 02	2.76E 02	2.66E 02
	5	4.	16	15	8657.70	2	2047.34	4.8844	0.0591	1.63E-03	5.70F-02	2.74E-01	6.13E-01	9.54F-01	1.22E 00
	2	ī	16	17	2725.67		2047.37	4.8843	0.0585	3.37F 02	6.86E 02	7.96F 02	7.61E 02	6.71F 02	5.73E 02
	7	6_	36		,14381.22		2047.55	4.8839	0.0312	0.0	7.31F-04	1.385-02	7.06E-02	1.90E-01	3.60E-01 1.39F 00
	10	9	58	57	24110.11	1	2047.57	4.8838	0.0303	0.0	0.0	2.65E-03	5.50F-02		3.09E 01
			19	. 18	13084.58		2047.63	4 • 8837	0.0552	4.32E-04	1.27F-01 8.72F-04	1.76E 00 5.41E-02	7.47E 00 5.62E-01	1.78E 01 2.44E 00	6.48E 00
263	9	8	41	40	19315.37		2047.69	4.8836	0.0303	0.0				1.19E 00	1.29E 00
ω	4	3	- 8		6312.47	2	2047.72	4.8835	0.0623	1.92F-02	2.17E-01	5.95E-01	9.50F-01 2.54E 00	7.95E 00	1.67E 01
	8	7	29	28	15906.70	1	2047.90	4.8831	0.0359	0.0	1.46E-02	4 - 00E-01	3.89F 00	3.25F 00	2.67E 00
****	2	1_	5	6	2172.57	2	2048.40	4.8819	0.0617	2.80E 00	4.36F 00	4.42F 00 5.75E 00	1.25F 01	1.90E 01	2.40E 01
	5	4	3.	2	8425.54	1	2048.63	4.8813	0.0609	4.03F-02			4.995-02	3.47F-01	1.31E 00
	10		<u>59</u> _	<u>58</u>	24310.07 6387.82	<del></del>	2048.79	4.8809 4.8808	0.0303	0.0 8.10E-01	0.0 9.55£ 00	2.34E-03 2.67E 01	4.32F 01	5.42E 01	5.94E 01
	3	3	3 1	0	4166.82	1 2	2048.84 2049.06	4.8803	0.0603	3.95E-02	1.60E-01	2.62E-01	3.07F-01	3.11E-01	2.93E-01
			<del></del>	iö	10653.94		2049.54	4.8791	0.0625	7.14E-03	6.52E-01	5.07E 00	1.51E 01	2.86E 01	4.20F 01
	6	5	26	25	11366.95	ż	2049.55	4.8791	0.0023	6.42E-05	8.25E-03	7.56F-02	2.50E-01	5.05F-01	7.78E-01
	· ö	8	42	41	19459.85		2049.66	4.8789	0.0303	0.0	7.78F-04	5.00E-02	5.30E-01	2.33F 00	6.26E 00
	7	6	37	36	14505.45	ż	2049.73	4.8787	0.0308	0.0	6.67F-04	1.30E-02	6.76E-02	1.856-01	3.53E-01
1400 000-00-0	<u>i</u>	~~~~	<u>Ť</u> †	- <u>12</u> -	286.60		2049.84	4.8784	0.0617	4.24E 01	7.67E 01	~'î'.72F "Ö1'	"1.16E 01	8.066 00	5.82E 00
	10	9		59	24513.30	ī	2049.96	4.8781	0.0303	0.0	0.0	2.06F-03	4.51F-02	3.22E-01	1.22E 00
	······································	4	17	16	8714.33		2050.31	4.8773	0.0585	1.60E-03	5.75F-02	2.80E-01	6.32F-01	9.89E-01	1.27F 00
	8	7	30	29	16010.51	1	2050.39	4.8771	0.0340	0.0	1.37E-02	3.84E-01	2.48F 00	7.83E 00	1.66E 01
	··		20	19	13153.48	<u>-</u>	2050.53	4.8768	0.0535	4.13E-04	1.25E-01	1.77E 00	7.57E 00	1.82E 01	3.17E 01
	1	ō	21	22	971.28	ĩ	2050.85	4.8760	0.0496	2.73E 03	2.40E 03	1.83F 03	1.36E 03	1.01E 03	7.66E 02
^-		- Š	9		6341.08	~~~~	2051.00	4.8757	0.0624	2.07E-02	2.38E-01	6.57E-01	ำวิเดร์ตา๊อดี	1.3tE 00	1.43E 00
	3	2	9	10	4467.62	ī	2051.06	4.8755	0.0624	2.42E 01	1.145 02	2.00E 02	2.46F 02	2.57E 02	2.47E 02
	- 1öʻ	و"	61	60	24719.80		2051.09	4.8755	0.0303	0.0	0.0		4.07F-02	2.97F-01	1.14E 00
	9	8	43	42	19607.77	1	2051.59	4.8743	E0E0.0	0.0	6.92F-04	4.61E-02	4.99E-01	2.22F 00	6.04E 00
-	<u>-</u> 2	ī	15	16	2661.01	1	2051.72	4.8740	0.0591	3.49E 02	6.88E 02	7.87E 02	7.45F 02	6.54F 02	5.55E 02
	7	6	38	37	14633.06	2	2051.87	4.8736	0.0303	0.0	6.07F-04	1.22E-02	6.46E-02	1.78F-01	3.44E-01
•		5	27	~~26~	11457.88		2052.13	4.8730	0.0398	5.86F-05	7.84F-03	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2.47F-01	‴′5°•°03′E`÷0`1	7.79E-01
	10	9	62	61	24929.57	1	2052.18	4.8729	0.0303	0.0	0.0	1.57E-03	3.67F-02	2.73E-01	1.06E 00
	5	4	~~~	3	8436.66	<u>i</u>	2052.20	4.8728	0.0611	5.29E-02	1.67F 00	7.62E 00	i.6AF 01	2. ีร3E 0โั	3.19E 01
	2	1	4	5	2150.72	2	2052.21	4.8728	0.0614	2.41E 00	3.71F 00	3.75E 00	3.29F 00	2.74E 00	2.258 00
	3	2	~ 2	ı	4170.43	2	2052.61	4.8718	0.0606	7.88F-02	3.20F-01	5.24E-01	6.15E-01	6.23E-01	5.86E-01
	4	3	2	3	6372.86	1	2052.68	4.8717	0.0609	6.22F-01	7.28E 00	2.03F 01	3.27E 01	4.10E 01	4.49F 01
	-6	5	12	11	10694.28	1	2052.78	4.8714	0.0617	7.36E-03	6.85E-01	5.38F 00	` 1.62E' 01'	3.07E 01	4.52F 01
	8	7	31	30	16117.86	1	2052.83	4.8713	0.0335	0.0	1.28E-02	3.68E-01	2.415 00	7.70F 00	1.64E 01
	10	9	63	62	25142.58	1	2053.22	4.8704	~ 0 • 0 3 <u>0 3                               </u>	0.0	0.0	1.37F-03	3.30E-02	2.50F-01	9.92E-01
	5	4	18	17	8774.49	2	2053.25	4.8703	0.0568	1.56F-03	`5.75E-02	2.84F-01	6.47E-01	1.02E 00	1.31E 00
												,			

Vυ	ΫL	Ĵΰ	ĴĹ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRATE	ED ** ABSOR		PFICIENT *	******
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7		21	20	13225.99		2053.40	4.8700	0.0515	3.91F-04	1.22E-01	1.76E 00	7.64E 00	1.85E 01	3.23E 01
9	8	44	43	19759.12		2053.48	4.8698	0.0303	0.0	6.13F-04	4.23E-02	4.69F-01	2.12F 00	5.81E 00
1		10	11	242.53		2053.86	4.8689	0.0625	4.14E 01	2.56E 01	1.63E 01	1.09E 01	7.57E 00	5.44F 00
7	_	39	38	14764.06		2053.98	4.8686	0.0303	0.0	5.50E-04	1.14E-02	6.16E-02	1.72E-01	3.35E-01
10		64	63_	25358.84		2054.22	4.8680	0.0303	0.0	0.0	1.19E-03	2.96E-02	2.295-01	9.22E-01
6		10 28	9 27	6373.27 11552.28	2	2054.25	4.8680	0.0624	2.20F-02	2.576-01	7.15F-01	1.15E 00	1.44E 00	1.58F 00
3				4429.89		2054.68	4.8669 4.8658	0.0379	5.31F-05 2.30E 01	7.43F-03	7.15E-02	2.43F-01 2.27E 02	4.99E-01	7.79E-01
10	_	65	64	25578.32		2055.18	4.8658	0.0303	0.0	0.0	1.86E 02 1.04E-03	2.65E-02	2.36E 02 2.09E-01	2.26E 02 8.55E-01
<del></del> 8		32	31	16228.73		2055.24	4.8656	0.0331	0.0	1.196-02	3.51E-01	2.34F 00	7.55F 00	1.62E 01
9		45	44	19913.90		2055.33	4.8654	0.0303	0.0	5.41F-04	3.87E-02	4.39F-01	2.01E 00	5.58E 00
1		20	21	886.95		2055.40	4.8652	0.0515	2.95E 03	2.49E 03	1.86E 03	1.36E 03	1.01E 03	7.59F 02
5		5	4	8451.48	1	2055.72	4.8645	0.0614	6.49E-02	2.06E 00	9.44F 00	2.06E 01	3.14E 01	3.97F 01
2	1	E	4	2132.50	2	2055.98	4.8639	0.0611	1.98F 00	3.03E 00	3.04E 00	2.67E 00	2.22F 00	1.82E 00
6		13	12	10738.28	1	2055.99	4.8638	0.0610	7.50F-03	7.136-01	5.66E 00	1.71F 01	3.26F 01	4.82E 01
2	1	14	15	2600.15	1	2056.04	4.8637	0.0597	3.57E 02	6.86E 02	7.73E 02	7.25E 02	6.33E 02	5.35E 02
7		40	39	14898.44		2056.05	4.8637	0.0303	0.0	4.96E-04	1.07E-02	5.85F-02	1.66E-01	3.26E-01
10	9	66	65	25801.04		2056.09	4.8636	0.0303	0.0	0.0	8.95E-04	2.376-02	1.91E-01	7.92E-01
3	2	3_	2	4177.65		2056.12	4.8635	0.0609	1.17E-01	4.78E-01	7.84E-01	9.21E-01	9.33F-01.	8.79E-01
5		19	18	8838.17	2	2056.15	4.8635	0.0552	1.50E-03	5.72E-02	2.87E-01	6.60F-01	1.05E 00	1.35E 00
<u> </u>		22	21	13302.10	1	2056.24	4.8632	0.0496	3.67F-04	1.19E-01	1.75E 00	7.67E 00	1.87E 01	3.29E 01
			103	36543.60	1	2056.32	4.8631	0.0303	0.0	0.0	0.0	7.44E-05	1.68E-03	1.46E-02
44	3	1	2	6361.64		2056.49	4.8627	0.0606	4.22E-01	4.92E 00	1.37E 01	2.20E 01	2.75E 01	3.02E 01
10		67	66	26026.96	1	2056.96	4.8615	0.0303	0.0	0.0	7.72E-04	2.11F-02	1.74F-01	7.33E-01
	~ ** \$	46 ~ ຊື່ອົ∵	.45 28	20072.09	<u>1</u>	2057.13	4.8611	0.0303	0.0	4.75E-04	3.54E-02	4.10F-01	1.91F 00	5.35E 00
6				11650.14	2	2057.19	4.8610	0.0359	4.78F-05	7.02E-03	6.91F-02	2.38E-01	4.94E-01	7.76E-01
10		103		36206.90 5409.02	2	2057.46	4.8610	0.0303	0.0	0.0	0.0	8.96E-05	1.96E-03	1.66E-02
8	_	33	32	16343.14	1	2057.46	4.8604	0.0625 0.0326	2.31E-02	2.74E-01	7.68F-01	1.24E 00	1.56F 00	1.71E 00
10		- 68	- 67	26256.09	<del></del>	2057.78	4.8596	0.0303	0.0	1.10E-02	3.34F-01 6.65F-04	2.26F 00 1.88E-02	7.38E 00,	1.60F 01
1	ó	9	10	202.12		2057.86	4.8594	0.0624	4.00F 01	2.42F 01	1.53E 01	1.02F 01	1.58E→01 7.03F 00	6.77E-01 5.04E 00
··· ····īō		102		35872.95		2058.04	4.8590	0.0303		- 5.75	0.0	1.086-04	2.29E-03	1.89E-02
7			40	15036.20	2	2058.08	4.8589	0.0303	0.0	4,46E-04	9.90E-03	5.55E-02	1.59E-01	3.16E-01
10	· 9 "	69	68	26488.41	<u>-</u> -	2058.55	4.8578	0.0303	0.0	0.0	5.71F-04	1.67E-02	1.445-01	6.24E-01
10		101	100	35541.77	1	2058.83	4.8571	0.0303	0.0	0.0	0.0	1.29F-04	2.66E-03	2.15E-02
9	- <del></del> 8	47	46	20233,70	<u> </u>	2058.90	4.8570	0.0303	0.0	4.16E-04	3.22E-02	3.82F-01	1.81E 00	5.12E 00
5		20	19	8905.38	2	2059.01	4.8567	0.0535	1.44F-03	5.66F-02	2.88F-01	6.69E-01	1.07E 00	1.39F 00
′ `´´~`` <b>7</b>		23	22	13381.82	1	2059.03	4.8567	0.0476	3.43E-04	1.165-01	1.73F 00	7.67E 00	1.88E 01	3.33F 01
. 6	5_	14	13	10785.94	1	2059.16	4.8563	0.0604	7.55E-03	7.355-01	5.90F 00	1.80E 01	3.44F 01	5.10F 01
3		7	8	4395.93		2059.19	4.8563	0.0623	2.15E 01	9.78F 01	1.70F 02	3.06E 05	2.14F 02	2.04F 02
5		6_	5	8470.00	1	2059.22	4.8562	0.0617	7.59F-02	2.43E 00	1.12E 01	2.45F 01	3.75E 01	4.74F 01
10		70	69	26723.91	1	2059.28	4.8561	0.0303	0.0	0.0	4.89E-04	1.476-02	1.30F-01	5.75F-01
10 3		1,00	99	35213.38		2059.56	4.8554	0.0303	0.0	0.0	0.0	1.55F-04	3.09E-03	2.44E-02
		- 4	3	4188.48		2059.60	4.8553	0.0611	1.54F-01	6.32E-01	1.04E 00	1.22F 00	1.74E 00	1.17F 00
6		-30 2	29 3	11751.45 2117.93		2059.66	4.8552	0.0340	4.28E-05	6.59E-03	6.66F-02	2.33E-01	4.87E-01	7.71E-01
1		19	20	806.42		2059.72	4.8550	0.0609	1.52F 00	2.31E 00	2.31F 00	2.02F 00	1.68E 00	1.37E 00
		~ 34		16461.06		2059.91 2059.94	4.8546	0.0535	3.16E 03	2.57E 03	1.88F 03	1.36F 03	1.00E 03	7.50F 02
10		71	70	26962.59		2059.94	4.8545	0.0321	0.0	1.01F-02	3.16E-01	2.195 00	7.19E 00	1.57E 01
7 7				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		2059.97	4.8542	0.0303	0.0	0.0 4.00F-04	4.17F-04 9.17E-03	1.30E-02 5.25F-02	1.18E-01 1.53E-01	5.29E-01 3.06E-01
10	_	99	98	34887.79		2060.07	4.8538	0.0303	0.0	0.0	0:0	1.95F-04	3.58E-03	2.77E-02
4		····'		6354.16		2060.27	4.8537	0.0603	2.13E-01	2.48E 00	6.88F 00	1.11F 01	1.39F 01	1.52E 01
2		13		2543.08		2060.32	4.8536	0.0604	3.63E 02	6.78E 02	7.53F 02	7.015 02	6.0BE 02	
	·	^			:				31036 02	01106 02	1 1 2 2 5 C C		THE US	30136 02

	′ั๋งบ	ŶĹ_	<b>~</b>	"jĽ	"Tower"	CODE	WAVE	WAVE	HALF	******	* INTEGRAT		PŶĬŐN.** CÓĔ	FFICIENT *	****
_					STATE		NUMBER	LENGTH	WIDTH			CM*G	~ <u>-</u> 1		
•				,	ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	10		72	71	27204.43	,	2060.61	4.8529	E0E0.0	0.0	0.0	3.55E-04	1.15E-02	1.06E-01	4.85E~01
	" ⁻ 9	~ 8.	~48	~~~~	20398.72		2060.62	4.8529	0.0303	0.0	3.635-04	2.92É-02	ั่ว∙ีรรัธ€−ื่อนี้	1.71E 00	4.89E 00
	4	3	12	11	6448.35	2	2060.63	4.8529	0.0617	2.38E-02	2.88E-01	8.16E-01	1.33E 00	1.67E 00	1.84E 00
14	10		98	97	34565.00	·	2060.89	4.8523	0.0303	0.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.0	2.21E-04	4.14E-03	3.13E-02
	10	9	73	72	27449.42	1	2061.21	4.8515	0.0303	0.0	0.0	3.02E-04	1.01E-02	9.57E-02	4.45E-01
	10	9	97	^ 96°	34245.04	<u>-</u>	2061.48	4.8509	0.0303	0.0	0.0	0.0	2.64E-04	4.79E-03	3.54E-02
		9	74	73	27697.55	ì	2061.75	4.6502	0.0303	0.0	0.0	2.56E-04	8.89E-03	8.61E-02	4.07E-01
• •	10	<b></b> 6	24	^ 23	13465-12		2061.79	4.8502	0.0457	3.18E-04	1.12E-01	1.71E 00 "	7.64E 00	1.89E 01	3.37F 01
	1	ō	_ i	9	165.38		2061.83	4.8501	0.0624	3.80E 01	2.26E 01	1.42E 01	9.37E 00	6.46E 00	4.62E 00
	<u>-</u> -	٠ ڇ٠		~ <u>;;</u>	8976.10		2061.85	4.8500	0.0515	1.36E-03	5.56E-02	2.88E-01	6.76E-01	1.09E 00	1.42E 00
	10	9	96	95	33927.93	1	2062.01	4.8496	0.0303	0.0	0.0	0.0	3.14E-04	5.53E-03	4.00E-02
•	<del>-</del> -7-	<u>-</u>	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	42			2062.02	4.8496	0.0303	0.0	3.57E-04	8-47E-03	4.95E-02	1.46E-01	2.95E-01
	6	5	31	30	11856.22		2062.10	4.8494	0.0335	3.81E-05	6.17E-03	6.39E-02	2.27E-01	4.80E-01	7.65E-01
	ě	7	35	34	16582.50		2062.23	4.8491	0.0317	0.0	9.27E-03	2.99E-01	2.10E 00	7.00E 00	1.54E 01
	10	9	79	74	27948.82		2062.26	4.8490	0.0303	0.0	0.0	2.17E-04	7.80E-03	7.74E-02	3.72E-01
•	6	Ś	ŧ5	14			2062.29	4.8490	0.0597	7.52E-03	7.50E-01	6-10E 00	1.87E 01	3.60E 01	5.36E 01
	9	8	49	48	20567.13		2062.30	4.8490	0.0303	0.0	3.15E-04	2.64E-02	3.29E-01	1.61E 00	4.66E 00
***	" ī õ"	·····	95	94	33613.67		2062.50	4.8485	0.0303	0.0	0.0	0.0	3.73E-04	6.378-03	4.51E-02
	5	4	7	6	8492-22		2062-67	4.8481	0.0620	8.59E-02	2.78E 00	1.29E 01	2.828 01	10 34E .4	5.50E 01
N	Tiōʻ	, -g	76	75	28203.20		2062.72	4.8480	0:0303	0.0	0.0	1.83E-04	6-82E-03	6.94E-02	3.39F-01
265	10	9	94	93	33302.29		2062.95	4.8474	0.0303	0.0	0.0	0.0	4.42E-04	7.33E-03	5.08E-02
• •	.3	2	5		4202.92		2063.05	4.8472	0.0614	1.89E-01	7.80E-01	1.29E 00	1.52E 00	1.54E 00	1.46E 00
	10	9	77	76	28460.70		2063-13	4.8470	0.0303	0.0	0.0	1.54E-04	5.96E-03	6.21E-02	3.09E-01
• •	3.	. 2	. 6	7	4365.74		2063.21	4.8468	0.0620	1.97E 01	8.82F 01	1.52F 02	1.84E 02	1.90E 02	1.85E 05
	10	9	93	92	32993.78		2063.34	4.8465	0.0303	0.0	0.0	0.0	5.23E-04	8.42E-03	5.72E-02
,	10	1	~ ī	2	2107.00	2	2063.43	4.8463	0.0606	1.03E 00	1.565 00	1.56F 00	1.36€ 00	1.13E 00	9.22E-01
	10	9	78	77	28721.29		2063.49	4.8462	0.0303	0.0	0.0	1.29F-04	5.19E-03	5.55E-02	2.81E-01
	10	ģ	92	91	32688.18		2063.68	4.8457	0.0303	0.0	0.0	0.0	6.18F-04	9.66E-03	6.42E-02
	4	3	13	12	6491.25	2	2063.78	4.8455	0.0610	2.43E-02	3.00E-01	8.59E-01	1.41E 00	1.78E 00	1.97E 00
	~1ō	ğ	79	~7ë	28984.96	1	2063.81	4.8454	0.0303	0.0	0.0	1.08E-04	4.52E-03	4.95E-02	2.55E-01
	9	8	50	49	20738.93	1	2063.94	4.8451	0.0303	0.0	2.73E-04	2.39F-02	3.05E-01	1.51E 00	4.44E 00
	7	6	44	43	15469.65	2	2063.94	4.8451	0.0303	0.0	3.17E-04	7.80E-03	4.56F-02	1.39E-01	2.85E-01
	10	9	91	90	32385.48	1	2063.98	4.8450	0.0303	0.0	0.0	0.0	7.28E-04	1.11E-02	7.20E-02
	10	9	80	79	29251.72	1 1	2064.09	4.8447	0.0303	0.0	0.0	9.03E-05	3.92E-03	4.41E-02	2.32E-01
	10	9	90	89	32085.71	1	2064.23	4.8444	0.0303	0.0	0.0	0.0	8.57F-04	1.26E-02	8.07F-02
	10	9	` 8ĭ	80	29521.54	i	2064.31	4.8442	0.0303	0.0	0.0	7.52E-05	3.40E-03	3.925-02	2.10E-01
	1	0	18	19	729.71	1	2064.39	4.8440	0.0552	3.36F 03	2.63E 03	1.89E 03	1.36E 03	9.90E 02	7.37E 02
	10	9	89	88	31788.87	1	2064.43	4.8440	0.0303	0.0	0.0	0.0	1.01E-03	1.44E-02	9.03E-02
	8	. 7	36	35	16707.46		2064.48	4.8438	0.0312	0.0	8.47F-03	2.81E-01	2.01F 00	6.79E 00	1.51E 01
/	10	' 9	82	81	29794.40	1	2064-49	4.8438	0.0303	0.0	0.0	6.25E-05	2.94E-03	3.48E-02	1.90E-01
	7	6	25	24	13552.03		2064.50	4.8438	0.0437	2.92E-04	1.07E-01	1.67E 00	7.58E 00	1.89F 01	3.39E 01
•	6	5	32	31	11964.44	2	2064.50	4.8438	0.0331	3.37F-05	5.75E-03	6.11E-02	2.205-01	4.71F-01	7.56E-01
	2	1	12	13	2489.80		2064.57	4.8436	0.0610	3.64E 02	6.64F 02	7.29E 02	6.73E 02	5.81E 02	4.88E 02
	10	9	88	87	31495-00		2064.58	4.5436	0.0303	0.0	0.0	0.0	1.18E-03	1.64E-02	1.01E-01
-	_10_	. 9	83	82	30070.30		2064.62	4.8435	0.0303	0.0	0.0	5.19E-05	2.53E-03	3.08E-02	1.71E-01
	5		22	21	9050-34		2064.64	4.8435	0.0496	1.29E-03	5.438-02	2.87E-01	6.80E-01	1.10E 00	1.45E 00
_	10	. 9	87	86	31204.08		2064.68	4.8434	0.0303	0.0	0.0	2.40E-05	1.38E-03	1.87E-02	1.12E-01
	10	9	84	83			2064.71	4.8433	0.0303	0.0	0.0	4.29E-05	2.18F-03	2.73E-02	1.55E-01
	10	<u> </u>	86	85	30916.14		2064.74	4.8432	E0E0+0	0.0	0.0	2.92E-05	1.61E-03	2.12E-02	1.25E-01
	10	9	85	84	30631.19		2064.75	4.8432	0.0303	0.0	0.0	3.54F-05	1.88E-03	2.41E-02	1.39E-01
	6_	5	16	15	10092.23		2065.38	4.8417	0.0591	7.42E-03	7.60E-01	6.26E 00	1.94E 01	3.75E 01'	5.60E 01 4.22E 00
	-9-	6	51	50	20914.12	1	2065.54	4.8413	E0E0.07	0.0 ·	2.36E-04	2.15F-02	2.81E-01	E. 95# 00	4.2E 00
	-	_	_	_											

VÜ	VL	JU.	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALE WÎÔTH	*****	** INTEGRATE	Ö * AASORT CM*G		FFICIFNT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = .2=00	T = 30000	T = 3500
, 7 , 7	6	45	44	15620.85		2065.82	4.8407	0.0303	0.0	2.81E-04	7.17E-03	4.37F-02	1.33F-01	2.74E-01
5	4	8	7	8518.15		2066-10	4.8400	0.0623	9.47E-02	3.11F 00	1.45E 01	3.19E 01	4.91E 01	6.23E 01
3 8	2	6	5	4220.97	2	2066.46	4.8392	0.0617	2.21E-01	9.225-01	1.53F 00	1.815 00	1.84F 00	1.74E 20
	7	37	36	16835.92		2066.69	4.8387	0.0308	0.0	7.70E-03	2.64E-01	1.92F 00	6.57F 00	1.47F 01
6_	5	33	32	12076.10		2066.86	4.8383	0.0326	2.96F-05	5.33E-03	5.82E-02	2.13F-01	4+61F-01	7.46F-01
4	3	14	13	6537.71	2	2066.88	4.8382	0.0604	2.45E-02	3.10F-01	8.96E-01	1,48F 00	1.88E 00	2.08E 00
9.	8_	52	51	21092.69	1'	2067.09	4.8377	0.0303	0.0	2.03F-04	1.93E-02	2.59F-01	1.33E 00	4.00€ 00
2	1	0	1	2099.72		2067.10	4.8377	0.0603	5.22E-01	7.86F-01	7.84E-01	6.83E-01	``5.67E−01	4.64F-01
	6	26	25	13642.53		2067.18	4+8375	0.0418	2.67F-04	1.02E-01	1.63E 00	7.50F 00	1.89E 01	3.40E 01
3	2	5	6	4339.32		2067.19	4.8375	0.0617	1.76E 01	7.77F 01	1.33E 02	1.60E 02	1.65F 02	1.585 02
5	4_	23	22	9128.10	2	2067.40	4.8370	0.0476	1.20E-03	5.28F-02	2.84E-01	6.815-01	1.11F 00	1.47F 00
7	6	46	45	15775.39	2	2067.65	4.8364	0.0303	0.0	2.48F-04	6.56E-03	4.09F-02	1+26E-01	2.63E-01
Terrent of	3	1		6350.41	1	2067.71	4.8363	0.0603	2.15E-01	2.50E 00	6.93F 00	1.12F 01	1.39F 01	1.535 01
6	5	17	16	10950.85		2068.43	4.8346	0.0585	7.26E-03	7.65F-01	6.39F 00	2.00E 01	่ 3.88 € 01	5.82F 01
<u>9</u> .	8	53	52	21274.62		2068.60	24E8.4	0.0303	0.0	1.73F-04	1.72E-02	2.38F-01	1.24E 00	3.78E 00
2	1	11	12	2440.32		2068.79	4.8337	0.0617	3.62E 02	6.44E 02	6.99E 02	6.41E, 02	5.51E 02	4.61E 0
1	0	17	18	656.82		2068.84	4.8336	0.0568	3.54F 03	2.68F 03	1.90E 03	1.35E 03	9.75E 02	7.22E 02
8	7	38	37	16967.88		2068.86	4.8336	0.0303	0.0	6.98E-03	2.47F-01	1.83F 00	6.34E 00	1.44E 0
6	5	. 34	.33	12191,21	2	2069.18	4.8328	0.0321	2.59F-05	4.93E-03	5.53E-02	2.06F-01	4.50E-01	7.34E-0
7	6	47	46	15933.27	2	2069.45	4.8322	0.0303	0.0	2.19E-04	ี่ รั <mark>∙ 99F=</mark> กัз`	3.82F-02	1.20E-01	2.52F-0
5	<del></del> 4.	<u>\$</u>	8_	8547.78	1	2069.48	4-8321	0.0624	1.02E-01	3.41E 00	1.60E 01	3.53E 01	5.45F 01	6.94E 0
1	0	6	7	102.91		2069.66	4.8317	0.0650	3.25E 01	1.88E 01	1.16E 01	‴ን•ችሳ≓ ሰኘሳ ¨	5.20E 00	3.71E 0
7	6	27	26	13736.61	1	2069.82	4.6313	0.0398	2.43E-04	9.72F-02	1.58E 00	7.39E 00	1.88E 01	3.41E 0
3	2	7	6	4242.63		2069.84	4.8313	0.0620	2.51F-01	1.06F 00	1.76E 00	2.095 00	2.13E 00	2.02E 0
4	3 8	15	14.	6587.74	2	2069.96	4.8310	0.0597	2.45F-02	3.17E-01	9.28E-01	1.54E 00	1.97E 00	2.195 00
1.3		54	53	21459.91		2070.07	4.8308	0.0303	0.0	1.48E-04	1.54E-02	2.18E-01	1.16E 00	3.57E 00
5	<u> </u>	_ 24 .	23	9209.37		2070.12	4.8306	0.0457	1.12E-03	5.10E-02	2.80E-01	6.79F-01	1.11F 00	1.485 00
ě	7	39	38	17103.34		2070.99	4.8286	0.0303	0.0	6.30E-03	2.30E-01	1.74F 00	6.10E 00 "	1.40F 0
3	2	4_	_ 5	4316.68	1	2071-14	4.8283	0.0614	1.52F 01	6.63E 01	1.17E 02	1.365 02	1.40E 02	1.33F 0
7	6	48	47	16094.49		2071.21	4.8281	0.0303	0.0	1.91E-04	5.456-03	3.566-02	1 - 13E-01	2.41E-0
4	<u>.</u>		1	6354.16		2071.38	4.8277	0.0606	4.29E-01	4.99E 00	I.38E 01	2.238 01	2.79E 01	3.06E 0
~~"6 [~]	_	```โล	17	11013.12		2071.45	4.8275	0.0568	7.04F-03	7.64E-01	6.48E 00	2.04E 01	3.99E 01	6.03E 0
_6	- 5	35	34	12309.75	2	2071.47	4.8275	0.0317	2.25F-05	4.53F-03	5.23F-02	1.98E-01	4.38E-01	7.21E-01
9	8	55	54	21648.56		2071.50	4.8274	0.0303	0.0	1.26F-04	1.37E-02	1.995-01	1 086 00	3.37E 0
. 7	6	28	27	13834.28	1	2072.42	4.8253	0.0379	2.19F-04	9.19E-02	1.53E 00	7.258 00	1.86E 01	3.40F 0
5	4	25	24	9294.14		2072.81	4.8244	0.0437	1.03E-03	4.90E-02	2.75E-01	6.75F-01	1.12F 00	1.49E 0
5 9	<u>.</u>	10	9	8581.11	1	2072.83	4.8243	0.0624	1.09E-01	3.67F 00	1.74E 01	3.86F 01	5.98F 01	7.62E 0
	- 'e	56	55	21840.56		2072.88	4.8242	0.0303	0.0	1.07F-04	1.21E-02	1.82F-01	1.00E 00	3.17F 0
7.	6	49	48	16259.04		2072.93	4.8241	0.0303	0.0	1.66E-04	4.95E-03	3.31E-05	1.07E-01	2.30E-0
`_z`	ï	10	11	2394.64		2072.98	4.8240	0.0625	3.55E 02	6.18E 05	6.63E 02	6.05€ 02	5.17E 02	4.32E 0
4	<u>3</u> .	16	15	6641.34		2073.00	4.8239	0.0591	2.42F-02	3.225-01	9.54E-01	1.60E 00	2.05E 00	2.29E 0
8	7	40	39	17242.29		2073.07	4.8238	0.0303	0.0	5.66F-03	2.148-01	1.65₹ 00	5 86F 00	1.356 0
3	<u>2</u>	8		4267.90		2073.18	4.8235	0.0623	2.77E-01	1.18F 00	1.98E 00	2.36E 00	2.41F 00	2.29E 0
T		16	17	587.75		2073.26	4.8233	0.0585	3.70E 03	2.71E 03	1.89E 03	~ 1.33E 03	9.54E 02	7.04F 0
1	_0	<b>5</b>	6 .	77.19	ž	2073.53	4.8227	0.0617	2.89F 01	1.65F 01	1.01E 01	_6.62E 00	4.53F 00	3.22E 0
6	<b>"</b> 5	36		12431.72		2073.72	4.8223	0.0312	0.0	4.15F-03	4.94E-02	"1.90Ê-01	4 - 25F-01	7.07E-0
_ 9	8	57	56	22035.89	. 1	2074.22	4.8211	0.0303	0.0	9.00E-05	1.07E-02	1.65E-01	9.30E-01	2.98E 00
~ 2	1	1	0	2096.07		2074.36	4.8208	0.0603	5.26E-01	7.92F-01	7.89E-01	6.P8F-01	5.71F-01	4.67E-0
6	, 5,	. 19	18	11079.05	1	2074 - 43	4.8206	0.0552	6.76E-03	7.58F-01	6.54F 00	_2.08F 01	4.09E 01	6.19E 01
~~ <del>ź</del>	6	50	49	16426.90	2	2074.61	4.8202	0.0303	0.0	1.45E-04	4.48E-03	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ı diê oï	\$ . S OE - 0
7	6	. 29	28	13935.53	1	2074.98	4-8193	0.0359	1.96E-04	8.65E-02	1.48E 00	7.10E 00	1 84E 01	3.38E 01
4	3	. 3	2	6361.64		2075.02	4.8192	0,0609	6.38E-01	7.45E 00	2.07E 01	~34€ 01~	4.18F 01	4.58E 01
3	2	3	4	4297.80	1	2075.05	4.8192	0.0611	1.25E 01	5.41E 01	9.18E 01	1.10E 02	1.13E 02	1.07E 02

VŪ	VL	Ju	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE · LENGTH	HALF WIDTH	*******	** INTEGRAT	ED ** ABSOR .CM*G	PTION ** CO	FFICIENT *	*****
		- <del></del>		ENERGY		CM1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
8	<del></del> -	41	40	17384.73		2075.12	4.8190	E0E0.0	0.0	5.06E-03	1.98E-01	1.56E 00	5.62E 00	1.31E 01
5		26	25	9382.42		2075.46	4.8182	0.0418	9.47E-04	4.69F-02	2.69E-01 9.48E-03	6.68E-01	1.12F 00 8.61E-01	1.50E 00 2.80E 00
- 9		58 37	57 36	22234.55 12557.12		2075,51	4.8181	0.0303	0.0	7.58E-05 3.79F-03	4.64E-02	1.50E-01 1.82F-01	4.13E-01	6.91E-01
4	3	17	16	6698.49	2 2	2075.94 2076.00	4.8171 4.8170	0.0585	2.375-02	3.79F-03	9.74E-01	1.65E 00	2.13E 00	2.38E 00
		-ii-	-15-	8618-14		2076.14	4.8170	0.0525	1.13E-01	3.90E 00	1.87E 01	4.16E 01	6.47E 01	8.28E 01
7	6	51	50	16598.08	ż	2076.26	4.8164	0.0303	0.0	1.25E-04	4.04E-03	2.84E-02	9.48E-02	2.09F-01
· Ė.	~~~~~~	~~ <u>;</u>	- <del></del>	4296.77	2	2076.49	4.8158	0.0624	2.99E-01	1.29E 00	2.198 00	2.62F 00	2.68E 00	2.55E 00
9	8	59	58	22436.54	ī	2076.77	4.8152	0.0303	0.0	6.35F-05	8.34E-03	1.36E-01	7.95E-01	2.62E 00
— <u>-</u> -	<del>-</del>	42	41	17530.64	- <del>-i</del> -	2077.13	4.8143	0.0303	0.0	4.51E-03	1.83E-01	1.47E 00	5.37E 00	1.27E 01
ž	i	9	10	2352.76	ī	2077.13	4.8143	0.0624	3.43F 02	5.86E 02	6.23E 02	5.65F 02	4.81E 02	4.01E 02
<u>ī</u> -	ō	<u>-</u>		55.14	2	2077.37	4.8138	0.0614	2,49F 01	1.41E 01	8.61E 00	5.60F 00	3.82E 00	2.71E 00
6	5	20	19	11148.61	1	2077.38	4.8138	0.0535	6.45E-03	7.48E-01	6.56E 00	2.11E 01	4.17E 01	6.35E 01
7	6	30	29	14040.35	1	2077.50	4.8135	0.0340	1.75E-04	8.10E-02	1.42E 00	6.92E 00	1.81E 01	3.35E 01
i	ō	15		522.50	ī	2077.65	4.8131	0.0591	3.83F 03	2.72E 03	1.87E 03	1.30F 03	9.29E 02	6.82E 02
- <del>-</del>		52	51	16772.57	2	2077.86	4.8126	0.0303	0.0	1.08F-04	3.64E-03	2.62E-02	8.89E-02	1.99E-01
2	1	2	1	2099.72	2	2077.94	4.8125	0.0606	1.05F 00	1.58E 00	1.58E 00	1.38E 00	1.14E 00	9.34E-01
<u>-</u> -	ë	60	59	22641.83		2077.97	4.8124	0.0303	0.0	5.31E-05	7.32E-03	1.23E-01	7.33E-01	2.45F 00
5	4	27	26	9474.20	2	2078.08	4.8121	0.0398	8.63E-04	4.47E-02	2.61E-01	6.59F-01	1.11F 00	1.50E 00
6	······································	38	37	12685.95	2	2078.11	4.8121	0.0303	0.0	3.44E-03	4.35E-02	1.74F-01	3.99E-01	6.74E-01
4	3	4	Э,	6372.86	1	2078.62	4.8109	0.0611	8.38E-01	9.84E 00	2.74F 01	4.44E 01	5.56E 01	6.10E 01
. З	2	2		4282.70		2078.93	4.8102	0.0609	9.58F 00	4.13E 01	6.97E 01	8734F 01	8.56E 01	8.13E 01
4	3	18	17	6759.20	2	2078.97	4.8101	0.0568	2.30E-02	3.24E-01	9.89E-01	1.69F 00	2.19E 00	2.46E 00
8	7	43	42	17680.03	<u>i</u>	2079.09	4.8098	0.0303	0.0	4.01F-03	1.68E-01	1.38E 00	5.13E 00	1.22E 01
9	8	61	60	22850.43	1	2079.14	4.8097	0.0303	0.0	4.42E-05	6.41F-03	1.115-01	6.75E-01	2.29E 00
5	4	12	`ïi'	8658.86	1	2079.42	4.8090	0.0617	1.17E-01	4.10F 00	1.98E 01	4.45E 01	6.94E 01	8.90F 01
7	6	53	52	16950.35	2	2079.42	4.8090	0.0303 '	0.0	9.298-05	3.27E-03	2.41F-02	8.33E-02	1.88E-01
3	2 2	īö	~ 9	4329.25	2	2079.77	4.8082	0.0624	3.18E-01	1.40E 00	2.38E 00	2.86F 00	2.94E 00	2.80E 00
7	6	31	30	14148.75	1	2079.99	4.8077	0.0335	1.55E-04	7.55F-02	1.36E 00	6.735 00	1.78E 01	3.32F 01
-6	5	39	38	12818.19	-2	2080.25	4.8071	0.0303	0.0	3.125-03	4.07E-02	1.66F-01	3.85€-01	6.56E-01
9	8	62	61	23062.32	1	2080.26	4.8071	0.0303	0.0	3.66F-05	5.59E-03	9.985-02	6.20E-01	2.13F 00
6	5	21	20	11221.82	ӕ	2080.28	4.8070	0.0515	6.10E-03	7.33E-01	6.54E 00	2.12Ê 01	4.24E 01	6.48F 01
5	4	28	27	9569.48	2	2080.66	4.8062	0.0379	7.81E-04	4.23F-02	2.54E-01	6.48E-01	1.10E 00	1.50E 00
9	8	109	108"	36539.95	1	2080.80	4.8058	0.0303	0.0	0.0	0.0	7.24F-05	1.648-03	1.42E-02
7	6	54	53	17131.43	2	2080.94	4.8055	0.0303	0.0	7.96E-05	2.92E-03	2.22E-02	7.79E-02	1.78E-01
~~а	7	44	43	17832.88	i	2081.01	4.8054	0.0303	0.0	3.54E-03	1.54E-01	1.30F 00	4.88E 00	1.17E 01
1,	0	3	4	36.76	2	2081-17	4.8050	0.0611	2.05E 01	1.15E 01	6.99E 00	4.53F 00	3.09E 00	2.19E 00
ź	ິ 1 ໍ	8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2314.69	1	2081.25	4.8048	0.0624	3.27E 02	5.48E 02	5.78E 02		4.42F 02	3.67E 02
9	8	63	62	23277.50	1	2081.34	4.8046	0.0303	0.0	3.03E-05	4.87E-03	8.96F-02	5.68E-01	1.985 00
, ž	ï"	3	2	2107.00	2	2081.48	4.8043	0.0609	1.56E 00	2.36F 00	2.36F 00	2.06F 00	1.71E 00	1.40E 00
4	3	19	18	6823.48	2	2081.90	4.8033	0.0552	2.22E-02	3.22E-01	9.99F-01	1.72E 00	2.25F 00	2.54E 00
9	8	108	107	36185.95	i	2081.91	4.8033	0.0303	0.0	0.0	0.0	8.81E-05	1.936-03	1.63E-02
_ 1	0	14	15	461.08	1	2082.00	4.8031	0.0597	3.93F 03	2.71E 03	1.83E 03	1.27F 03	9.00F 02	6.58E 02
4	3.7	5	4	6387.82		2082.18	4.8027	0.0614	1.03E 00	1.22F 01	3.40E 01	ักร์ เราะ กัก	6.92E 01	7.59E 01
. 6	5	40	39	12953.84	2	2082.35	4.8023	0.0303	0.0	2.81F-03	3.79E-02	1.58F-01	3.71E-01	6.37E-01
9	8	64	63	23495.95	1	2082.37	4.8022	0.0303	0.0	8.50E-05	4.23F-03	8.03E-02	5.205-01	1.84F 00
. 7	6	32	31	14260.70	1	2082.43	4.8021	0.0331	1.36E-04	7.01E-02	1.30F 00	_6.25£ 00	1.74E 01	3.28E 01
7	6	~55 ~		17315.80	2	2082.43	4.8021	0.0303	0.0	6.80E-05	2.61F-03	~ 03F-02	7.27E-02	1.68F-01
.5	4	13	12	8703.29	1	2082.66	4.8016	0.0610	1.19E-01	4.27E 00	2.08E 01	4.70E 01	7.37E 01	9.49F 01
Έ.	2	i	2	4271.38	i	2082.78	4.8013	0.0606	6.50E 00	2.79E 01	4.70E 01	5.61F 01	5.75F 01	5.46E 01
8	7	45	44	17989.20	1	2082.90	4.8010	0.0303	0.0	3.12E-03	1.41E-01	1.21F 00	4.64E 00	1.13F 01
			• • •	30034 66	1	2082.96	4.8009	0.0303	0.0	0.0	0.0	1.07F-04	2.27E-03	1.87F-02
.9		107		35834.66 4365.34		2083.01	4.8007	0.0625	3.32E-01	1.49E 00	2.55E 00	3.095 00	3.19F 00	3.04E 00

	VU	VL	JŪ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE '	HALF WIDTH	******	** INTEGRATE	TANSORI CM+GI		FFICIFNT *	****
					ENERGY	·	CM-1	MICRON	H2	T = 1000	T = 1500		๊าเ้า≔ 2500 ื	T = 3000	T = 3500
								HIGHDI	112	1 = 1000	1 = 1500	1 = 2000	1 = 2,00		
	6	5	22	21	11298.67	1	2083.15	4.8004	0.0496	5.73E-03	7.14F-01	6.49E 00	2.13F 01	4.29F 01	6.59E 01
	5	4	29	28	9668.25		2083.20	4.8003	0.0359	7.03E-04	3.99E-02	2.45E-01	6.355-01	1.09E 00	1.50F 00
	9	. 8	65	64	23717.67	٠ 1	2083.36	4.7999	0.0303	0.0	2.056-05	3.66E-03	7.18F-02	4.75E-01	1.71E 00
	7	6	56	55	17503.45	2.	2083.87	4.7988	0.0303	0.0	5.79F-05	2.32E-03	1.865-02	6.77F-02	1.59F-01
	9		106		35486.10		2083.96	4.7986	0.0303	0.0	0.0	0.0	1.305-04	2.665-03	2.14E-02
	9	9	66	65	23942.65	1	2084.31	4.7978	E0E0.0	0.0	0.0	3.16F-03	6.40E-02	4.33E-01	1.58E 00
	6	5		40	13092.91	_2	2084.41	4.7975	0.0303	0.0	2.52E-03	3.52F-02	1.49E-01	3.56E-01	6.18E-01
-	8	7	46	45	18148.97		2084.74	4.7968	0.0303	0.0	2.74E-03	1.29E-01	1.13F 00	4.39E 00	1.08E 01
_	4	3		19	6891.30		2084.80	4.7966	0.0535	2.12E-02	3.18E-01	1.005 00	1.74E 00	2.29E 00	5.80E 00
	7	6		32	14376.23		2084.84	4.7965	0.0326	1.19E-04	6.48E-02	1.23E 00	ั๊๊์6•ื3ใoFั๊เดิด ั	1.70E 01	3.23F 01
_	9		105		35140.28		2084.92	4.7963	0.0303	0.0	0.0	0.0	1.57E-04	3.11F-03	2.45E-02
	1	0	2	3	22.06		2084.95	4.7963	0.0609	1.57E 01	8.75E 00	5.31E 00	3.446 00	2.34E 00	1.66E 00
	2	1	4	3	2117.93		2084.99	4.7962	0.0611	2.05F 00	3.12E 00	3.13F 00	2.74E 00	228E 00	1.86E 00
	9	8			24170.88		2085.20	4.7957	0.0303	0.0	0.0	2.72E-03	5-70F-02	3.94E-01	1.46E 00
	$\frac{7}{2}$	6	<u> 57</u>	56	17694.37		2085.27	4.7955	0.0303	0.0	4.91E-05	2.06E-03	1.70E-02	6.29E-02	1.50E-01
		1	-	8	2280.41		2085.33	4.7954	0.0623	3.06E 02	5.04F 02	5.27E 02	4.73E 02	4.01F 02	3.32E 02
	5	4	30	29	9770.52		2085.70	4.7946	0.0340	6.28F-04	3.75E-02	2.36E-01	6.20E-01	1.08E 00	1.49E 00
	4	3	104	5	6406.52 34797.22		2085.71	4.7545	0.0617	1.20E 00	1.43E 01	4.04E 01	6.56F 01	8.25F 01	9.06F 01
		4	14	13	8751.40		2085.82	4.7943	0.0303	0.0	0.0	0.0	1.90F-04	3.64E-03	2.80E-02
268	6	5	23	22	11379.15		2085.98	4.7939	0.0604	1.205-01	4.39E 00	2.17E 01	4.94F 01	7.78E 01	1.00E 02
	ğ-	·~ - <del>,</del>		67	24402.34		2086.06	4.7937	0.0476	5.34E-03	6.92E-01	6.42E 00	2.135 01	4.32E 01	6.68E 01
	ž	2		11	4405.02		2086.22	4.7934	0.0303 0.0617	0.0 3.43E-01	1.56F 00	2.34E-03 2.71E 00	5.06F-02 3.30F 00	3.58E-01	1.35E 00 3.27E 00
	<u>-</u> -			14	403.48		2086.32	4.7931	0.0604	4.00E 03	2.68E 03	1.79E 03	1.22F 03	3.42F 00 8.66E 02	6.31F 02
	6	5	42	41	13235.37		2086.44	4.7929	0.0303	0.0	2.00E 03	3.26E-05	1.41F-01	3.41F-01	5.98F-01
		7		46	18312.18		2086.54	4.7926	0.0303	<del>ŏ</del> .ŏ	2.40E-03	"1.17E-01"	Tose oo	4.16F 700	1.03F 01
	3	2	0	1	4263.83		2086.59	4.7925	0.0603	3.29E 00	1.41E 01	2.37E 01	2.82F 01	2.89F 01	2.74F 01
			58	57	17888.55	2	2086.64	4.7924	0.0303	0.0	4.15E-05	1.83F-03	1.55E-02	5.84E-02	1.416-01
	9	8	103	102	34456.93	1	2086.67	4.7923	0.0303	0.0	0.0	0.0	2.29E-04	4.25E-03	3.19E-02
	9	8	69	68	24637.04	1	2086.87	4.7919	0.0303	0.0	0.0	~ 2.01E-03 ~	~4.49E-02	3.24E-01	1.24E 00
_	7	6		33	14495.30		2087.20	4.7911	0.0321	1.03E-04	5.96F-02	1.17E 00	6.07E 00	1.66E 01	3.178 01
-	9	8	102	101	34119.43	1	2087.47	4.7905	0.0303	0.0	0.0	0.0	` 2.76Ĕ-Ó4	~~4 <b>.</b> 96€−03‴	3.64E-02
	_ 9	. 8	70.	69	24874.95		2087.64	4.7901	0.0303	0.0	0.0	1.71E-03	3.97F-02	2.94F-01	1.14E 00
	4	3	21	20	6962.68		2087.66	4.7901	0.0515	2.01F-02	3.13F-01	1.00E 00	1.76F 00	~ 2.33E 00	2.66E 00
		6		58_	18085.99		2087.96	4.7894	0.0303	0.0	3.49F-05	1.61E-03	1.40F-02	5.41F-02	1.32E-01
		4		30	9876.27		2088.17	4.7889	0.0335	5.58F-04	3.51F-02	2.26E-01	6.04F-01	1.06E 00	1.475 00
	9		101		33784.73		2088.22	4.7888	E0E0•0	0.0	0.0	0.0	3.32E-04_	5.77E-03	4.14E-02
	8	7	48 71	47 70	18478.84		2088.29	4.7886	0.0303	0.0.	2.09E-03	1.06E-01	9.80E-01	13.92E 00	9.86E 00
	6-				25116.07		2088.36	4.7884	E0E0.0	0.0	0.0	1.46E-07	3.51F-02	2.655-01	1.05E 00
	2	1	43 5	42	13381.23 2132.50		2088,42	4.7883	0.0303	0.0	2.01E-03	3.00E-02	1.33F-01	3+26E-01	5.775-01
					11.03		2088.47	4.7882	0.0614	2.52F 00	3.85E 00	3.88F 00	3.40F 00	2.94E 00	2.325 00
	6	5		23	11463.27		2088.77	4.7877 4.7875	0.0606 0.0457	1.07F 01	5.91F 00	ั 3. รักษั (รัก	12.31F 00	1.57 € 00	TITE OO
	9		100	- 55	33452.85		2088.93	4.7871	0.0303	4.94E-03	6.67E-01	6.31F 00	2.12F 01	4.34E 01	6.74E 01
	ś	4	15	14	8803.20		2089.02	4.7869	0.0597	1.19E-01	4.49E 00	2.24E 01	3.99F-04 5.15E 01	6.71F-03 8.14E 01	4.71F-02 1.06F 02
		·		<del></del>	25360.39		2089.03	4.7869	0.0303	0.0	0.0		3.09E-05	2.39F-01	9.64E-01
	4	3	7	6	6428.95		2089.20	4.7865	0.0503	1.36F 00	1.64E 01	4.64F 01	7.57F 01	9.54E 01	1.05E 02
	<del>,</del> .		60°		18286.68		2089.24	4.7864	0.0303	0-0	2.935-05	1.42E-03	"1.27E-02	5.00F-02	1.24E-01
	2	1	6	7	2249.94		2089.38	4.7861	0.0620	2.80F 02	4.55F 02	4.73E 02	4.22F 02	3.57E 02	2.956 02
	~~~ <u>~</u>	2		12	4448.31		2089.40	4.7861	0.0610	3.50E-01	1.63E 00	2.85E 00	"3.49F 00	3.64E 00	3.49F 00
	7	6	35	34	14617.93		2089.52	4.7858	0.0317	8.92F-05	5.46F-02	1.10F 00	5.83E 00	1.61F 01	3.11F 01
	. 8,	"e	1 9°9°	`9 8	33123.80	""ı	2089.58	4.7857	0.0303	- 0.0	0.0	0.0	4.78E-04	7.795-03	5.34F-02
	9	. 8	73	72	25607.89	1	2089.66	4.7855	0.0303	0.0	0.0	1.05F-03	2.72F-02	2.15E-01	8.82F-01
	••								······				• • • • • • • • • • • • • • • • • • • •		

'vu '	VL.	ີ່ ມີບໍ່	آيل"	LÖWER CÓC STATE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRATI	D ** ABSOR		FFICIENT *	*****
		 .		ENERGY	CM-1	MICRON	HZ	T = 1000	T = 1500		T = 2500	T = 3000	Ŧ = 350
8	7	49	48	18648.93 1	2090.01	4.7847	0.0303	0.0	1.81F-03	9.595-02	9.08E-01	3.69E 00	9.39E 0
9	8	``98	97	32797.60 1	2090 18	4.7843	0.0303	0.0	0.0	0.0	5.71F-04	9.04F-03	6.06E-0
9	8	74	73	25858.57 1	2090.24	4.7841	0.0303	0.0	0.0	8.93E-04	2.38E-02	1.94E-01	8.07E-0
¯6	Ś.	44	43	13530-48 2	2090.37	4.7838	0.0303	0.0	1.78E-03	2.76E-02	1, . 25E-01	3.11E-01	5.56E-0
.7.	6	_61	60	18490.61 2	2090.48	4.7836	0.0303	0.0	2.45F-05	1.25E-03	1.15E-02	4.61E-02	1.16E-0
4	3 ~	22	~21	7037.61 2	2090.49	4.7836	0.0496	1.90E-02	3.05E-01	9.96F-01	1.77E 00	2.36E 00	2.71F 0
5	4	32	~3i	9985.50 2	2090.60	4.7833	0.0331	4.93F-04	3.26E-02	2.16E-01	5.86F-01	1.04E 00	1.46E 0
ĭ	O	12	13	349.72 1	2090.61	4.7833	0.0610	4.02F 03	2.63F 03	1.73E 03	1.18E 03	8.27E 02	6.00E 0
	8	97	96	32474.26 1	2090.74	4.7830	0.0303	0.0	0.0	0.0	6.82F-04	1.05E-02	6.86F-0
· "9""	8	75	74 "	26112.42 1	2090.78	4.7829	6.0303	0.0	0.0	7.54E-04	2.09F-02	1.74F-01	7.37E-0
9	. 8	96	95	32153.80 1	2091.25	4.7818	0.0303	0.0		0.0	8.13E-04	1.21E-02	7.75E-0
9"	8	76	75	26369.43 1	2091.27	4.7818	0.0303	7-0.0	0.0	6.35E-04	1.82E-02	1.56E-01	6.71E-0
<u>,6</u> ,	, <u>5</u>	25	24	11551.01 1	2091.52	4.7812	0.0437	4.54F-03	6.40E-01	6.18E 00	2.11E 01	4.34E 01	6.78E 0
7	Č	62	61	18697.77 2	2091.68	4.7808	0.0303	0.0	2.04F-05	1.09E-03	1.045-02	4.245-02	1.08E-0
8	. 7	50	49	18822.44 1	2091.68	4.7808	0.0303	0.0	1.57E-03	8.65E-02	8.39E-01	3.47F 00	8.93E 0
9'''	8	95	94	31836.23 1	2091.70	4.7808	0.0303	0.0	0.0	0.0	9.67F-04	1.39F-02	8.76E-0
	8	77	76	26629.57 1	2091.72	4.7806	0.0303	0.0	0.0	_5.33E-04	1.59E-02	1.39E-01 1.56E 01	6.11E-0
7	6	36	35	14744.11 "1"	2091.81	4.7805	0.0312	7.66F-05	4.99E-02	1.04E 00	5.59E 00		3.04E 0
2 .	. 1		5 	2150.72 2	2091.92	4.7803	0.0617	2.95E 00	4.55E 00	4.60E 00	4.05E 00	3.38E 00	2.77E 0
~9 ^	a	94	93	`31521.56`"î"	2092.11	4.7799	0.0303	0.0	0.0	0.0	1.15F-03	1.61F-02	9.87E-0
_ 9	8	78	77	26892.85 1	2092.12	4.7798	0.0303	0.0	0.0	4.47E-04	1.38E-02	1.24E-01	5.55E-0
` 5 ¯	4	16	15	8858.70	2092.15	4.7798	0.0591	1.17F-01	4.55E 00	2.30F 01	5.33E 01	B.48E 01	1.10E 0
6	5	. 45	_44 .	13683.11 2	2092.28	4.7795	0.0303	0.0	1.58E-03	2.54F-02	1.17E-01	2.96E-01	5.35E-0
1	0	ō.	1	3.68 2	2092.40	4.7792	0.0603	5.40E 00	2.98E 00	1.80E 00	1.15E 00	7.90E-01	5.60E-0
9,	8	93	92	31209.82 1	2092.47	4.7790	0.0303	0.0	0.0	2.36E-05	1.36E-03	1.85E-02	1.11F-0
9	8	79	78	27159.25 1	2092.47	4.7790	0.0303	0.0	0.0	3.73F-04	1.20E-02	1.11E-01	5.04F-0
3	2	14	13	4495.20 2	2092.54	4.7789	0.0604	3.53F-01	1.68E 00	2.98E 00	3.67E_00	3.84E 00	3.70F 0
4	3	8	-7	6455.12 1	2092.66	4.7786	0.0623	1.50F 00	1.83E 01	5.22F 01	8.54E 01	1.08E 02	1.19F 0
9	8	92	91	30901.00 1	2092.78	4.7783	0.0303	0.0	0.0	2.92F-05	1.61E-03	2.12E-02	1.25F-0
- 5°	8	80"	79	27428.76 1	2092.78	4.7783	0.0303	0.0		3.11E-04	1.04E-02	9.84E-02	4.57E-0
 ,,,,	. 6.	63	62	18908.16 2	2092.84	4.7782	0.0303	0.0	0.0	9.55E-04	9.36E-03	3.905-02	1.01E-0
5	4	33	32	10098.21 2	2093.00	4.7778	0.0326	4.33E-04	3.03F-02	8.06E-01	5.68F-01	1.02E 00	1.44E 0
9	8	91	90	30595-13 1	2093.04	4.7777	0.0303	0.0	0.0	3.61F-05	1.90E-03	2.44E-02	1.40E-0
ĝ	8	81	80	27701.36 1	2093.04	4.7777	0.0303	0.0	0.0	2.59F-04	9.01E-03	8.74E-02	4.13E-0
. 9	8	82	81	27977.05 1	2093.25	4.7773	0.0303	0.0	0.0	2-15E-04	7.78E-03	7.75E-02	3.73E-0
	8	90	89	30292.22 1	2093.26	4.7772	0.0303	0.0	0.0	4.44E-05	2.24F-03	2.79E-02	1.57E-0
4	.3.	. 23	22	7116.09 2 "18999.38" "1	2093.28	4.7772	0.0476	1.77F-02	2.96E-01	9.86E-01	1.77F 00	2.38E 00	2.75E 0
8	7	' ŝı `	507		2093.31	4.7771	0.0303	0.0	1.35E-03	7.77E-02	7.73E-01	3.26E 00	8.48E 0
_2	1	5	. 6	2223.28 1	2093.40	4.7769	0.0617	2.50F 02	4.01E 02	4.14E 02	3.69E 02	3.10E 02	2.56E 0
 -	8	89	88	29992.29 1	2093.42	4.7769	0.0303	0.0	0.0	5.45E~05	2.64E-03	3.196-02	1.76E-0
	8	83	82	28255.82 1	2093.42	4.7769	0.0303	0.0	. 0 • 0	1.78E-04	6.70E-03	6.86E-02	3.37E-0
``ğ` .	8	84	83	28537.65	2093.54	4.7766	0.0303	0.0	0.0	1.47E-04	5.77E-03	6.06E-02	3.03E-0
. 9	8	88	. 87	29695.34 1	2093.54	4.7766	0.0303		0.0	6.68E-05	3.10F-03	3.64F-02	1.975-0
~9 ~	8	85	84	28822.53 I 29401.38 1	2093.61	4.7764	0.0303	0.0	0.0	1.21E~04	4.95F-03	5.35F-02 4.14E-02	2.73E-0 2.20E-0
	. 8	87 86	86 85	29401.38 1 29110.45 1	2093.61	4.7764	0.0303	0.0	0.0	8.16E-05 9.95E-05	3.63E-03 4.24E-03	4.71E-02	2.45E-0
9	_				2093.63	4.7764 4.7756	0.0303	0.0	0.0	8.33E-04	8.41E-03	3.58E-02	9.39E-0
7	6	64 37	63	19121.76 2	2093.96	4.7754	0.0308	6.54E-05	4.53E-02	9.71E-01	5.34E 00	1.51E 01	2.97E 0
-	_	37	20	4260.05 1	2094.05	4.7754	0.0308	3.32E 00	1.42F 01	2.38E 01	2.84E 01	2.91E 01	2.76E 0
E	. 2	46.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	13839.13 2		4.7752	0.0503	0.0	1.42F 01	2.32E-02	1.10F-01	2.81E-01	5.13E-0
-	5		45 25	11642.38 1	2094.15	4.7750	0.0303	4.15E-03	6.10F-01		2.08E 01	4.33E 01	6.81E 0
. 6 . i	<u>5</u>	. 26 11	12		2094.23	4.7736				6.03E 00		7.84E 02	
_	-				2094.86		0.0617	3.99F 03	2.55E 03	1.66E 03	1.12E 03		5.67E 0
8	7	52	21	19179.72 1	2094.90	4.7735	COE0.0	0.0	1.165-03	6.97E-02	7.11E-01	3.05E 00	8.04F 0

Ϋ́	ù"	۷L"	JÜ	`JE"	"LOWER"	CODE	WAVE	WAVE	HALF	****	* INTEGRATE			FFICTENT *	***
		•••			STATE	,	NUMBER CM-1	LENGTH	WIDTH			CM*GA		T = 3000	
*****					ENCKGI		CM-1	MICRON	H2	T = 1000	T = 1500	1 = 2000	T = 2500	1 = 3000	T = 3500
	7_	6	65	64	19338.57	2	2095.04	4.7732	0.0303	0.0	0.0	7.24E-04	7.55E-03	3.29F-02	P.73E-02
	5	4	17	16	8917.88	1	2095.24	4.7727	0.0585	1.15E-01	4.57E 00	2.35E 01	5.48F 01	8.77E 01	1.15E 02
	2	1	.7	6	2172.57		2095.33	4.7725	0.0620	3.34E 00	5.21E 00	5.30F 00	4.58E 00	3.91E 00	3.21F 00
	5	4	34	33	10214.39	2	2095.36	4.7724	0.0321	3.78F-04	2.79E-02	1.95E-01	5.48F-01	9.92E-01	1.41E 00
	3	2	15	14	4545.69	2	2095.64	4.7718	0.0597	3.52F-01	1.72E 00	3.08F 00	3.83E 00	4.02E 00	3.89E 00
	6	5	47	46	13998.51	2	2095.98	4.7710	E0E0.0	0.0	E0-325.1	2.12E-02	1.02F-01	2.66F-01	4.925-01
	4	3	24	_23	7198.11	2	2096.04	4.7709	0.0457	1.65F-02	2.86F-01	9.725-01	1.77F 00	2.39E 00	2.78E 00
	′	6	66	65	19558.57		2096.07	4.7708	0.0303	0.0	0.0	6.28E-04	6.75F-03	3.005-02	8.10E-02
	4 7	<u>3</u>	9 38	8 8	6485.03	1	2096.08	4.7708	0.0624	1.62E 00	2.01E 01	5.76E 01	9.46F 01	1.20E 02	1.33E 02
	: `	٠,	53	51 52	15007.09 19363.47	•	2096.25	4.7704	0.0303	5.556-05	4.10F-02	9.07E-01	์ รังจิตซี ๑๐ ั	1.46F 01	2.89F 01
	<u>~</u>		27	<u>52</u>	11737.38	- <u>1</u>	2096.44	4.7700	0.0303	0.0	9.89E-04	6.22F-02	6.53E-01	2.85E 00	7.60F 00
	7	6	67	66	19781.77	2.	2096.91	4.7689	0.0398	3.76E-03	5.79F-01	5.86E 00	2.05E 01	4.30E 01	5.81E 01
	ź-~	Ť	4		2200.42		2097.07	4.7686 4.7679	0.0303	0.0	0.0	5.43E-04	_6.03E-03	2.77E-02	7.51E-02
	5	4	35	34	10334.05		2097.58	4.7672	0.0614 D.0317	2.15F 02	3.42F 02	3.51E 02	3.120 02	7.62E 02	2.15F 02
	š	<u>-</u> -	48		14161.26		2097.77	4.7670	0.0303	3.28E-04	2.57E-02 1.07E-03	1.85E-01 1.92F-02	5.27E-01 9.52F-02	9.66F-01 2.52F-01	1.39E 00 4.70E-01
	3	2	2	1	4263.83	ī	2097.81	4.7669	0.0606	6.62E 00	2.83E 01	4.76E 01	5.69F 01	5.83F 01	5.535 01
	ē		54	53	19550.62		2097.95	4.7666	0.0303	0.0	8.43E-04	5.55E-02	5.98E-01	2.65F 00	7.18E 00
	7		68	67	20008.15		2098.02	4.7664	0.0303	0.0	0.0	4.68E-04	5.38E-03	2.49E-02	6.94E-02
	5	<u>~</u> 6	18	17	8980.75		2098.29	4.7658	0.0568	1.11F-01	4.56F 00	2.38E 01	5.61F 01	9.03E 01	1.18F 02
	7	6	39	38	15143.88	ī	2098.42	4.7655	0.0303	4.68E-05	3.69F-02	8.45E-01	4.83E 00	1.40E 01	2.81F 01
	ž	1	·	7	2198.07		2098.70	4.7649	0.0623	3.68E 00	5.82E 00	5.96E 00	5.28E 00	4.43E 00	3.64E 00
	3	2	16	15	4599.77	2	2098.71	4.7648	0.0591	3.48F-01	1.74E 00	3.17E 00	3.96F 00	4.19E 00	4.06E 00
	4	3	25	24	7283.66		2098.76	4.7647	0.0437	1.52F-02	2.75€-01	9.53E-01	1.75F 00	2.40F 00	2.80E 00
	7	6	69	68	20237.70	2	2098.93	4.7643	0.0303	0.0	0.0	4.03E-04	4.78F-03	2.265-02	6.41E-02
Mar or Fidensia	i	~~~	Τö	Tii"	253.68	" 1	2099.08	4.7640	0.0625	3.92F 03	2.45E 03	1.58E 03	1.06F 03	7.37E 02	5.31F 02
	8	7	55	54	19741.15	1	2099.41	4.7632	0.0303	0.0	7.15E-04	4.93E-02	5-46E-01	2.47E 00	6.76F 00
	4 `	Έ"	10	9	6518.68	1	2099.46	4.7631	0.0624	1.72E 00	2.16€ 01	6.26F 01	1.03E 02	1.31E 02	1.46E 02
	6	5	49	48	14327.37	2	2099.52	4.7630	0.0303	0.0	9.30E-04	1.74E-02	8.85F-02	2.386-01	4.49E-01
	6	5	28	27	11835.99	1	2099.54	4.7629	0.0379	3.39E-03	5.47F-01	5.66E 00	2.01F 01	4.26E 01	6.79E 01
	1	0	1	0	-0.0	2	2099.72	4.7625	0.0603	5.45E 00	3.00F 00	1.81E 00	1.17E 00	7.96E-01	5.63F-01
	7	6	70	69	20470.42	2	2099.80	4.7624	0.0303	0.0	0.0	3.46E-04	4.24E-03	2.05E-02	5.91E-02
	<u>5</u>	4	36	35	10457.16	2	2099.96	4.7620	0.0312	2.83E-04	2.35E-02	1.74E-01	5.065-01	9.38F-01	1.36E 00
	7 °	6	40	"39" "	15284.19		2100.54	4.7607	0.0303	3.93E-05	3.31E-02	7.84E-01	4.57F 00	1.35E 01	2.72E 01
	7	6	71	70	20706.29		2100.62	4.7605	E0E0.0	0.0	0.0	2-96E-04	3.76F-03	1.86E-02	5.45E-02'
	8	7	56	55	19935.07		2100.82	4.7600	0.0303	0.0	6.05E-04	4.37E-02	4.97F-01	2.29F 00	6.36E 00
	6	5	50	49	14496.84		2101.24	4.7591	0.0303	0.0	8.07E-04	1.58E-02	8.20F-02	2.24E-01	4.28E-01
	5	4	19	18	9047.30		2101.31	4.7589	0.0552	1.07F-01	4.53E 00	2.40F 01	5.71F 01	9.25E 01	1.22E 02
	2 7		72	. 4	2181.37		2101.33	4.7589	0.0611	1.77E 02	2.79E 02	2.86E 02	2.53F 02	2.12E 02	1.75E 02
	•	-		71	20945.30		2101.41	4.7587	0.0303	0.0	0.0	2.53E-04	3.32E-03	1.68E-02	5.01F-02
	3	3 2	26 3	25 2	7372.76 4271.38		2101.44	4.7586	0.0418	1.39F-02	2.63F-01	9.31F-01	1.74E 00	2.39E 00	2.81E 00
	3	2	17	16	4657.45		2101.48	4.7586	0.0609	9.84E 00	4.22E 01	7.12E 01	8.52F 01	8.73E 01	8.295 01
	ž –	- i	-:-		2227.21		2101.75	4.7579 4.7573	0.0585	3.41E-01	1.75E 00	3.24F 00	4.08E 00	4.34E 00	4.22E 00
	6	5	29	28	11938.21	1			0.0624	3.98F 00	6.38E 00	6.58E 00	5.856 00	4.92F 00	4.06E 00
	7	6	73	72	21187.44		2102.14	4.7571	0.0359	3.03E-03 0.0	5.15E-01	5.46F 00 2.15E-04	1.97E 01	4.21E 01	6.76E 01
	à	7	57	56	20132.36		2102.15	4.7569	0.0303	0.0	5.10F-04		2.93E-03 4.52E-01	1.52E-02 2.12E 00	4.60E-02
	5	-4-		. 36	10583.74		~~2102.20 ~~2102.21 ~~	4.7569	0.0308	2.42E-04	2.14F-02	3.86F-02			5.98F 00
	7	6	41	40	15428.02		2102.62	4.7560	0.0303	3.27F-05	2.96E-02	1.64E-01 7.26F-01	4.84F-01 4.32E 00	9.08E-01 1.29F 01	1.33F 00 2.63E 01
	<u>.</u>	~ <u>~</u>	77	10	6556.05		2102.81	4.7555	0.0625	1.79E 00	2.30E 01	6.71E 01	1.12E 02	1.42F 02	1.58E 02
	7	ŏ	74	73	21432.71		2102.85	4.7555	0.0303	0.0	0.0	1.835-04	2.58F-03	1.42F 02	4.21E-02
	6	"š"		-50	14669.65		2102.91	4.7553	0.0303	0.0	6.98E-04	1.42E-02	7.58F-02	2.10E-01	4.07E-01
	1	ō	9	10	211.42		2103.27	4.7545	0.0624	3.79F 03	2.32F 03	1.48E 03	9.86E 02	6.85E 02	4.07E-01
-	••													2005	

Vυ"	~ VL	JÙ	JĽ		CODE"	WAVE	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	D ** ABSOR CM*G	PTION ** COF	FFICIFNT *	*****
				STATE		CM-1	MICRON	H2	T = 1000	T = 1500		 τ″ ≐ ″2500 " "	T'= 30000	T = 350
				ENERGI			ATCHON			. = 1500				
1	0	2	1	3.68	2	2103.33	4.7544	0.0606	1.09E 01	6.00F 00	3.63F 00	2.34F 00	1.59E 00	1.13E 0
7	6-	75	74	~ ži681°.1°0	2	2103.51	4.7540	0.0303	0.0	0.0	"i".55E-04	2.27F-03	1 . 2 3 E - 0 2 "	3 86E-0
8	7	58	57	20333.01	1	2103.53	4.7539	0.0303	0.0	4.28F-04	3.40E-02	4.100-01	1.96F 00	5.60E 0
4	Ĕ.	27	26	7465.39		2104.09	4.7526	0.0398	1.26E-02	2.50F-01	9.06E-01	1.71E 00	2.38E 00	2.81F 0
7	6	76	75	21932.59	2	2104.12	4.7526	0.0303	0.0	0.0	1.31E-04	1.99E-03	1.11E-02	3.53F-0:
5 1	4	20	19	9117.53	1	2104.29	4.7522	0.0535	1.02E-01	4.46E 00	2.41F 01	5.79C 01	9.43€ 01	1.25F 0
. 5	4	38	37	10713.77	. 2	2104.42	4.7519	0.0303	2.07E-04	1.94E-02	1.53E-01	4.62E-01	8.78E-01	1.30F 0
` 6	``5 ~	~52°	5 ì	14845.80	ž.	~~2104.55°	4.7516	0.0303	0.0	6.02F-04"	1.28E-02	6.99E-02	1.97E-01	0-309.E
7	- 6	42	41	15575.37	1	2104.66	4.7514	E0E0•0	2.72F-05	2.64E-02	6.69E-01	4.07E 00	1.23E 01	2.54E 0
7	6	77	76	22187.18	2	2104.69	4.7513	0.0303	0.0	0.0	1.11F-04	1.74E-03	9.94E-03	3.22F-0
6	_ 5_	30	29	12044.05	1	2104.69	4.7513	0.0340	2.70E-03	4.81E-01	5.24E 00	1.92F 01	4.14F 01	6.70E 0
· '3	2	18	17	4718.72	2	2104.75	4.7512	0.0568	3.31E-01	1.75E 00	3.28E 00	4.18E 00	4.47F 00	4.37E 0
8	.7.	59.	58	20537.02	1	2104.81	4.7510	0.0303	0.0	3.58F-04	2.99F-02	3.71F-01	1.81E 00	5.24F 0
" " 3"	2	4	**********	4282.70	1	2105.11	4.7503	0.0611	1.29E 01	5.58E 01	9.44F 01	1 1 3E 02	1.16E 02	1.105 0
_7	6	78	77	22444.85	2	2105.22	4.7501	0.0303	0.0	0.0	9.32F-05	1.528-03	8.90F-03	2.93E-0
2	1	s	3	2166.13	1	2105.25	4.7500	0.0609	1.36E 02	2.13E 02	2.17E 02	1.925 02	1.615 02	1.325 0
2_	1_	10	9	2259.98	2	2105.36	4.7498	0.0624	4.22E 00	6.89E 00	7.16E 00	6.39E 00	5.40E 00	4.46F. 0
7	6	79	78	22705.59	2	2105.71	4.7490	0.0303	0.0	0.0	7.83E-05	""1.33E-03	7.95E-03	2.67F-0
<u>B</u>		113		36244.30		2105.75	4.7489	0.0303	0.0	0 • 0 **********************************	0.0	8.16F-05	1.80E-03	1.535-0
8	7	60	59	20744.37	1	2106.06	4.7482	0.0303	0.0	2.99F-04	2.62E-02	~~~33.35E~01	1.67F 00	4 905 0
4	3	12	11	6597.16	1	2106.12	4.7481	0.0617	1.85E 00	2.42E 01	7.12F 01	1.19E 02	1.535 02	1.70F 0
6	5	53	52	15025.29	2	2106.14	4.7480	0.0303	0.0	5 • 1 7E - 04	1.15E-02	6.43F-02	1.855-01	3.66F-0
7 .	6_	80	79	22969.40	2	2106.15	4.7480	0.0303	0.0	0.0	6.556-05	1.15E-03	7.09E-03	2.42F-0
7.	6-	81	80	23236.26	2	2106.55	4.7471	0.0303	0.0	0.0	5-48E-05	E0-4001	_4.35E-03_	2.50E-0
- 5 .		39	.38	10847.26		2106.59	4.7470	0.0303	1.75E-04	1.76E-02	1.43E-01	4.40F-01	8.46E-01	1 26E 0
•		43	42	^15726°23	1	2106.66	4.7469	0.0303	2.24E-05	2.34E-02	6.15E-01	3.82F 00	1.18E 01	2.45E 0
4	_3_	_28	27	7561.55	2	2106.70	4.7468	0.0379	1.14E-02 .	2.37E-01	8.78E-01	1.685 00	2.36E 00	2.81E 0
7	-6	82	81	23506.16		2106.90	4.7463	0.0303	0.0	0.0	4.57E-05	A 68F-04	5.62E-03	1.69E 0
		3 112		11.03 35875.71	2	2106.90	4.7463	0.0609	1.61F 01	8.95E 00	5.42E 00	3.51E 00	™2.134-03 134-03	1.76E-0
8					i	2107.02	4.7460	0.0303		0.0		1.00E-04		
~~6 ~~7``	. 5	31 83	30 82	12153.49	<u>1</u>	2107.21	4.7456	0.0335	2.385-03	4.49E-01	5.01E 00 3.80E-05	1.86F 01 7.50F-04	4.07F 01 4.99E-03	6.63F 0 1.80F-0
5		-		23779.10	~	2107.22	4.7456	0.0303	0.0			5 83E 01	9.58E 01	1.27E 0
<u>s</u> .	7	21 61	_20 _60	9191.44 20955.06		2107.23 2107.26	4.7456	0.0515	9.61E-02	4.37E 00 2.48E-04	2.40E 01	3.02F-01	1.53E 00	4.57E 0
۰	ó	8	9	172.99	1	2107.42	4.7455	0.0624	3.61E 03	2.17E 03	1.37E 03	9.100 02	6.30F 02	4.52E 0
~~ 7 ^	· - 	- 64 -	<u>83</u>	24055.05	- <u>-</u>	2107.48	4.7450	0.0303	0.0	0.0	3.14E-05	6.48E-04	4.42F-03	1.63E-0
	5	54	53	15208.11	2	2107.40	4.7445	0.0303	0.0	4.42E-04	1.02E-02	5.90F-02	1.72E-01	3.46E-0
. 6	6	85	84	24334.02	~~ <u>~</u>	2107.71	4.7445	70.0303	0.0	0.0	2.61E-05	5 58F-04	3.02E-03	1 47E-0
3	2	19	18	4783.59	2	2107.72	4.7445	0.0552	3.18E-01	1.74E 00	3.31E 00	4.26F 00	4.58E 00	4 50E 0
~~a		ารีว์		35509.81		2108.24	4.7433	0.0303	0.0	0.0	-0.0	1 23E-04	2.52F-03	2.04F-C
8	7	62	61	21169.09	î	2108.41	4.7429	0.0303	0.0	2.06E-04	2.00E-02	2.71E-01	1.41E 00	4.26E 0
7	ģ".	44	-43 -	15880.58	·	2108.62	4.7424	0.0303	0.0	2.07E-02	5.64F-01	3.59F 00	-1.12E 01	2.36E 0
2	ĭ	11	10	2296.39	2	2108.63	4.7424	0.0625	4.42E 00	7.33E 00	7.68E 00	6.90E 00	5.85E 00	4.85E 0
~3~	~ ĝ	'^\$	" ₄ "	4297.80		2108.71	4.7422	0.0614	1.58E 01	6.89E 01	Ti Ti 7E To 2	"'1.40E ő2"'	""î . 44Ê "őz"	1.37E 0
5	4	40	39	10984.19	2	2108.72	4.7422	0.0303	1.48E-04	1.58F-02	1.336-01	4.18E-01	8.14F-01	1.228 0
2		i	-~´ź-	2154.70	<u>-</u>	2109.13	4.7413	0.0606	9.25F 01	1.44E 02	1.46F 02	1 295 03	1.08E 02	8.87E 0
6	5	55	54	15394.23	2	2109.21	4.7411	0.0303 .	0.0	3.77E-04	9.14E-03	5.40F-02	1.61E-01	3.275-0
-4	3 -		~28	7661.24	z	2109.27	4.7410	0.0359	1.03E-02	2.23F-01	"8.48E-01"	1.65É 00	2.34E 00	2.80E 0
4	3	13	12	6642.00	ī	2109.39	4.7407	0.0610	1.88E 00	2.51F 01	7.49E 01	1.26F 02	1.62E 02	1.81F 0
"e"		ĭîö"		"35146.60	<u> </u>	2109.42	4.7406	0.0303		0.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1.50F-04	~ 2.98E=03	2 35E-0
8	7	63	62	21386.43	1	2109.52	4.7404	0.0303	0.0	1.70E-04	1.73E-02	2.43F-01	1.29E 00	3.96F 0
6	:-	32	31	12266.54	i	2109.69	4.7400	0.0331	2.09E-03	4.16E-01	4.78E 00	1.80F 01	3.98E 01	6.55F 0
					-							- · · · · · · ·		

VU	VŁ	JŪ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*******	TINTEGRAT	ED ** ABSOR CM* 7	PTION ** CO	EFFICIENT *	*******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
					······································	C	HICKON		1 = 1000	1 - 1500		2500	1 = 3000	1 = 3500
11_			3	22.06		2110.45	4.7383	0.0611	2.12F 01	1.18E 01	7.19E 00	4.66E 00	3.17F 00	2.25E 00
7	. 6		44	16038.43		2110.53	4.7381	0.0303	0.0	1.82E-02	5.15E-01	3.35E 00	1.06E 01	2.26E 01
8		109		34786.11		2110.54	4.7381	0.0303	0.0	0.0	0.0	1.83E-04	3.51E-03	2.70E-02
8	7		63	21607.08		2110.59	4.7380	0.0303	0.0	1.39E-04	1.50E-02	2 • 18E-01	1.18E 00	3.67E 00
3	2		19	4852.04		2110.65	4.7379	0.0535	3.04E-01	1.72E 00	3.33E 00	4.32E 00	4.68E 00	4.62E 00
6			55	15583.68		2110.69	4.7378	0.0303	0.0	3.20E-04	E0-751.8	4.94F-02	1.50E-01	3.08E-01
- <u>-5</u>			40	11124.55		2110.81	4.7375	0.0303	1.24E-04	1.42E-02	1.24E-01	3.95E-01	7.81E-01	1.19E 00
8	7		8	138.40 21831.04		2111.54	4.7359	0.0623	3.38F 03	E0 300.2	1.25E 03	8.27F 02	5.71E 02	4.08E 0
- 8		108	64	34428.34		2111.61	4.7357	0.0303	0.0	1.14E-04	1.30E-02	1.95F-01	1.08E 00	3.40E 00
4	3		29	7764.45	1	2111.61	4.7357	0.0303	0.0	0.0	0.0	2.24E-04	4.14F-03	3-10E-0
				2336.44		2111.81	4.7353	0.0340	9.17E-03	2.10E-01	8.15E-01	1.61E 00	2.30E 00	2.78E 0
6	Ė		56	15776.43		2111.88 2112.12	4.7351 4.7346	0.0617	4.56E 00	7.71E 00	8.16E 00	7.37E 00	6.27E 00	5.21E 00
ë	٠٠ ا	33	732	12383.18		2112.13	4.7346	0.0303	0.0	2.71E-04	7.20E-03	4.50E-02	1.39F-01	2.90F-0
3	á		5	4316.68		2112.13	4.7346	0.0326	1.83F-03 1.85E 01	3.84E-01	4.54E 00	1.74E 01	3.89E 01	6.45E 0
7			45	16199.77		2112.41	4.7339	0.0303	0.0	8.13E 01 1.59E-02	1.39E 02	1.67F 02 3.13F 00	1.72E 02	1.64E 0
8	7		65	22058.29		2112.59	4.7335	1.0303	0.0	9.33E-05	4.70E-01		1.01E 01	2.17E 0
			13	6690.57		2112.63	4.7334	0.0604	1.89E 00	2.59E 01	1.12E-02 7.80E 01	1.73E-01 1.32E 02	9.80E-01 1.71E 02	3.15E 0
8		107		34073.32		2112.63	4.7334	0.0303	0.0	0.0	0.0	2.725-04	4.87E-03	3.56E-0
<u>-</u> -				11268.36		2112.87	4.7329	0.0303	1.03F-04	1.276-02	1.14E-01	3.73F-01	7.48E-01	1.15E 0
2	1		1	2147.08		2112.97	4.7327	0.0603	4.68E 01	7.26E 01	7.36E 01	6.49E 01	5.43E 01	4.46E 0
5		723	22	9350.27		2112.99	4.7326	0.0476	8.40F-02	4.12E 00	2.35E 01	5.84F 01	9.75E 01	1.31E 0
6			57	15972.47		2113.52	4.7314	0.0303	0.0	2.29E-04	6.37E-03	4.10F-02	1.29E-01	2.73F-0
8	7		66	22288.82		2113.52	4.7314	0.0303	0.0	7.60E-05	9.65E-03	1.54F-01	8.91E-01	2.91E 0
3	2	21	20	4924.07		2113.54	4.7314	0.0515	2.88E-01	1.69E 00	3.32E 00	4.36F 00	4.75E 00	4.72F 0
~~~ë		~~i~6	<b>"10</b> 5"	70.1378		2113.60	4.7313	0.0303	0.0	0.0	0.0	3.31E-04	"5.72E-03	4.09E-0
1	0		4	36.76	2	2113.96	4.7305	0.0614	2.60F 01	1.46E 01	8.92E 00	5.79E 00	3.95F 00	2.80E 0
7		47	46	16364.60		2114.24	4.7298	0.0303	0.0	1.39E-02	4.27E-01	2.91E 00	9.515 00	2.07E 0
4	3	31	30	7871.18	- 2	2114.31	4.7297	0.0335	8.14E-03	1.96E-01	7.82E-01	1.57E 00	2.27F 00	2.75E 0
~ e ~	7	68	67	22522.63	1	2114.41	4.7295	0.0303	0.0	6.16E-05	8.28E-03	1.37F-01	8.08E-01	2.685 0
. 8	7	105	104	3337,1.58	1	2114.52	4.7292	0.0303	0.0	0.0	0.0	4.01F-04	6.718-03	4.68E-0
~~6°	·-~*	34	<b>33</b>	12503.41	1	2114.53	4.7292	0.0321	~~1.59E-03~	3.53E-01	4.29E 00	"'i.68F 01"	7. 3.79E 01	6.33F 0
6	<u> </u>		58	16171.80	2	2114.87	4.7284	0.0303	0.0	1.926-04	5.62E-03	3.72F-02	1.198-01	2.56F-0
5	4	43	42	11415.59	2	2114.89	4.7284	0.0303	8.57F-05	1.13E-02	1.05E-01	3.52E-01	7.15F-01	1.11E 0
2	1		12	2380.12	2	2115.08	4.7280	0.0610	4.64E 00	8.02F 00	8.58E 00	7.81E 00	6.67E 00	5.56E 0
8	7	_	68	22759.69		2115.26	4.7276	0.0303	0.0	4.985-05	7.08E-03	1.21E-01	7.32E-01	2.47E 0
8	7	104		33024.89		2115.39	4.7273	E0E0.0	0.0	0.0	0.0	4.86E-04	7.86E-03	5.36E-0
ī			7	107.65		2115.63	4.7267	0.0520	3.10E 03	1.81E 03	1.12E 03	7.38F 02	5.08E 02	3.63F 0
3	2		. 6	4339.32		2115.80	4.7263	0.0620	2.10E 01	9.30E 01	1.60E 02	1.93F 02	1.99E 02	1.90E 0
5	- 4		23	9435.20		2115.82	4.7263	0.0457	7.77E→02	3.97E 00	2.31E 01	ี้5.82F 01 ั	9.79E 01	1.33F 0
4_	3	15	14	6742.87		2115.83	4.7263	0.0597	1.88E 00	2.64E 01	8.06E 01	1.38E 02	1.79F 02	2.01E 0
	ē		47	16532.89		2116.03	4.7258	0.0303	0.0	1.21E-02	3.86E-01	2.70E 00	8.97E 00	1.97E 0
. 8 .			69	23000.01		2116.06	4.7258	0.0303	0.0	4.01E-05	6.05E-03	1.07E-01	6.62E-01	2.27E 0
6				16374.42		2116.19	4.7255	0.0303	0.0	1.61E-04	4.94E-03	""3"37É—02	1.105-01	2.39E-0
<u>8</u>		103		32681.01		2116.21	4.7254	0.0303	0.0	0.0	0.0	5.88E-04	9.20E-03	6.12F-0
-		22		4999.68		2116.40	4.7250	0.0496	2.71E-01	1.65E 00	3.30E 00	4.38E 00	4.91F 00	4.80E 0
	. 3		31	7981.43		2116.78	4.7242	0.0331	7.18E-03	1.82E-01	7.47E-01	1.52E 00	2.22F 00	2.725 0
8	7		70			2116.81	4.7241	0.0303	0.0	3.225-05	5.15E-03	9.44F-02	5.97E-01	2.0AF 0
~ .5 ~ .6	. 4			11566.25		2116.87	4.7240	0.0303	7.06E-05	1.00E-02	9.69F-02	3.30E-01	6.81E-01	1.07E 0
	` 5		34	12627.23		2116.88	4.7239	0.0317	1.37E~03	3.23E-01	4.05E 00	1.6 IE 01	3.68E 01	6 SOE 0
. 8	. 7		101	32339.95		2116.97	4.7237	0.0303	0.0	0.0	0.0	7.09E-04	1.07E-02	6.985-0
	- 0	6	5	55.14	2	2117.44	4.7227	0.0617	3.05E 01	1.73E 01	1.06E 01	5.99E 00	- 4.71F 00	3 35E 0
6	_			16580.31		2117.46	4.7226	0.0303	0.0	1.35E-04	4.34E-03	3.04E-02	1.01E-01	2.24E-0

̈νu′	"VL"	JÜ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ÎN OÎS A** ÎN		* THEIDIENT *	****
		,	<del></del>	ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
8		72		23490.38		2117.52	4.7225	0.0303	0.0	2.58E-05	4.37E-03	9.30F-02	5.38F-01	1.91E 00
8	7	101		32001.73	1	2117.69	4.7221	0.0303	0.0	70.0	0.0	8 • 54F-04	`î.25E-02°	7.96E-02
7	6	49	48	16704.66	1	2117.78	4.7219	0.0303	0.0	1.05F-02	3.49E-01	2.50E 00	8.445 00	1.88E 01
8	7	73	72	23740.39		2118.18	4.7210	0.0303	0.0	2.06E-05	3.70E-03	7.29E-02	4 - 84 E-01	1.75E 00
- 2		14	13	2427.44	2	2118.26	4.7209	0.0604	4.68F 00	8.27E 00	8.95E.00.	8.20E 00	7.04F 00 1.46E-02	5.89E 00
5	4	100 25	99 24	31666.36 9523.78	1	2118.36 2118.60	4.7206	0.0303	7.13E-02	0.0 3.80F 00	S.26E 01	5.77F 01	9.79E 01	1.330 02
	* ^ *	~ <del>2</del> 5	~61	16789.46	~	2118.69	4.7199	0.0303	0.0	1.12E-04	3.79E-03	2.74E-02	9.34F-02	2.09E-01
8	7	74	73	23993.62		2118.80	4.7197	0.0303	0.0	0.0	3.13E-03	6.39E-02	4.35%-01	1.60E 00
		45	-44	11720.32		2118.81	4.7196	0.0303	5.79E-05	8.83E-03	8.885-02	3.10F-01	6.48F-01	1.025 00
ē	7	99	98	31333.86	- 1	2118.98	4.7193	0.0303	0.0	0.0	2.10F-05	1.235-03	1.705-02	1.03E-01
4	<u>-</u>	16	15	6798.89		2118.99	4,7192	0.0591	1.85E 00	2.67E 01	8.28F-01	1.42F 02	1.86E 02	2.10F 02
6	5	36		12754.63	1	2119.20	4.7188	0.0312	1.17E-03	2.95E-01	3.80E 00	1.54F 01	3.57E 01	6.07E 01
· 4	3	33		8095.19	2	2119.21	4.7187	0.0326	6.29E-03	1.69E-01	7.11F-01	1.47E 00	2.17E 00	2.68F 00
3	2	23	22	5078.88	2	2119.23	4.7187	0.0476	2.53E-01	1.60E 00	3.27E 00	4.38E 00	4.85E 00	4.87E 00
" " <b>3</b> `	2	8	7	4365.74	<u> </u>	2119.29	4.7186	0.0623	2.31F 01	1.04E 02	1.79E 02	2.18E 02	2 25E 02	2.15E 02
8	. 7	75	74	24250.05	1	2119.37	4.7184	0.0303	0.0	0.0	2.64E-03	5.59E-02	3.39F-01	1.45E 00
7	6	50	49	16879.89	1	2119.49	4.7181	0.0303	0.0	9.04E-03	3/14E-01	2.31E 00	7.93E 00	1.79E 01
8		98	97	31004.25	1	2119.55	4.7180	0.0303	0.0	0.0	2.64E-05	1.48E-03	1 • 97E-02	1 17E-01
ì	0	T S	6	80.74		2119.68	4.7177	0.0617	2.76E 03	1.59F 03	79.84E 02	[™] 6•44= 02	4.425 02	3.156 02
6	5_	63	62	17001.87	2	2119.88	4.7172	0.0303	0.0	9.28F-05	3.31F-03	2.47F-02	8.58F-02	1.95F-01
8	7	76	75	24509.67	1	2119.90	4.7172	0.0303	0.0	0.0	2.22E-03	4.88F~02	3.48F-01	1.32E 00
8_	<del>-7</del>	97	96	30677.52		2120.07	4.7168	0.0303	.0.0	0.0	3.31E-05	1.77E-03 4.25F-02	2.28F-02 3.11E-01	1.32E-01
- '8'' 8	7	77" 96	76 95	24772.47 30353.71	•	2120.38	4.7161 4.7158	0.0303	0.0	0.0	1.86F-03 4.13E-05	2.11E-03	2.64E-02	1.505-01
<u>~</u>	~ <u>~</u>		~~5	2143.27		2120.56	4.7157	0.0603	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	7732E 01	7.42F 01	6.54F 01	5.47E 01	4.49F 01
5	4	46	45	11877.80	2	2120.30	4.7154	0.0303	4.73E-05	7.77E-03	8.11E-02	2.89E-01	6.15E-01	9.83E-01
8		78	77	25038.44		2120.81	4.7152	E0E0.0		0.0	1.556-03	3.695-02	2.77F-01	1.09F 00
ĭ	ò	7	6	77.19	2	2120.88	4.7150	0.0620	3.45E 01	1.98E 01	1.22E 01	7.76E 00	5.45E 00	3.88F 00
<u>-</u>	7	95	94	30032.83	<u>ī</u>	2120.97	4.7148	0.0303	0.0	0.0	5.16F-05	2.51E-03	3.05E-02	1.59E-01
6	5	64	63	17217.54	2	2121.03	4.7147	0.0303	0.0	7.67E+05	2.88E-03	2.22F-02	7.86E-02	1.81E-01
7	~_6_	51"	50	17058.57	~~~ <u>1</u>	2121.15	4.7144	0.0303	0.0	7.78E-03	2.82E-01	2.12E 00	7.43F 00	1.70E 01
8	7	79	78	25307.56	1	2121.20	4.7143	0.0303	0.0	0.0	1.305-03	3.20E-02	2.47F-01	9.92E-01
8	7	94	93	29714.89	i	2121.34	4.7140	0.0303	0.0	0.0	6.425-05	2.99F-03	3.52E-02	1.91F-01
5	4	26	25	9616.03	1	2121.35	4.7140	0.0418	6.50E-02	3.63E 00	2.21E 01	5.70F 01	9.76E 01	1.34E 02
2	1	15	14	2478.38	2	2121.40	4.7139	0.0597	4.66E 00	8.45E 00	9.26E 00	8.55E 00	7.37F 00	6.19E 00
6	5	37	36	12885.61	1	2121.48	4.7137	0.0308	9.99E-04	2.67E-01	3.56E 00	1.47E 01	3.45E 01	5 92F 01
	7	80	79	25579.82	1	2121.54	4.7136	0.0303	0.0	0.0	1.085-03	2.77E-02	2.19F-01	7 8 98E=0 E
4	3	34	33	8212.45	2	2121.60	4.7134	0.0321	5.48E-03	1.55F-01	6.74F-01	1.42E 00	2.12E 00	2.64F 00
8	7	EQ	92	29399.89	1	2121.67	4.7133	0.0303	0.0	0.0	7.98F-05	3.555-03	4.06E-02	2.16F-0t
8	7	81.	80	25855.22		2121.83	4.7129	0.0303	0.0	0.0	8.96F-04 9.89E-05	2.39F-02 4.21F-03	1.95F-01 4.66E-02	8.12E-01 2.43E-01
8	΄.	92	91	29087.87		2121.95	4.7126	0.0303	2.35F-01	1.54E 00	3.22F 00	4.37E 00	4.87E 00	4.92F 00
- <del>3</del>	2	_24 _82	23	5161.65 26133.74	2_ ~	2122.08	4.7125	0.0457	0.0	0.0	7.42F-04"	2.06F-02	1.72E-01	~~~?~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
4	3	17	16	6858.63	1	2122.08	4.7123	0.0585	1.81E 00	2.69E 01	8.44E 01	1.47E 02	1.93E 02	2.19E 02
- 7		-65	64	17436.43	2	2122.14	4.7123	0.0303		6.32E-05	2.50E-03	1.995-05	7.195-02	1.69E-01
a	7	91	90	28778.82	1	2122.17	4.7122	E0E0•0	0.0	0.0	1.22E-04	4.98F-03	5.36F-02	2.735-01
e		<u>83</u>	- 82-	26415.37	_	2122.28	4.7119	0.0303			6.13F-04	1.785-02	1.52F-01	6.60F-01
8	7	90	89	28472.78	ī	2122.36	4.7117	0.0303	0.0	0.0	1.51F-04	5.87E-03	6.14E-02	3.06F-01
-8	"~~ <del>;</del> ~	64	83	26700.09	·	2122.43	4.7116	0.0303	0.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	"5.06E-04"	1.52E-02	1.34E-01	" 5 94E-01
8	7	89	88	28169.73	ī	2122.49	4.7114	0.0303	0.0	0.0	1.86E-04	6.92F-03	7.03F-02	3.43E-01
8		85	84	26987.90	- <del>-</del>	2122.54	4.7113	0.0303	0.0	0.0	4.16E-04	1.315-02	1.18F-01	5.34F-01
_	7		87	27869.71	1	2122.57		0.0303	0.0.	0.0	2-28F-04	A 13 -03	8.03F-02	3.84E-01

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE

STATE		~νυ`	VĒ	JÜ	JĿ	LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRATE			FFICIENT *	*****
5 4 47 A6 15039.65 2 2123.27 4.7113 0.0103 3.13E-05 4.11E-03 7.39E-02 2.71C-13 5.69E-01 0.11E-01 7.79E-01 8.7 86 2879.776 1 2123.60 4.7112 0.0203 0.0 0.0 2.11E-03 7.79E-03 7.15E-07 4.29E-01 3.79E-01 3.						STATE		NUMBER	LENGTH	WIDTH	عقبيسيم بسيسيف					
8 7 66 65 27279.79 1 2122.60 4.7112 0.0303 0.0 0.0 3.41E-03 1.10E-03 1.05E-03 1.10E-03 4.70F-01 3 7 8 8 7 86 27279.73 1 2122.61 4.7112 0.0303 0.0 0.0 0.0 3.41E-03 1.10E-03 1.10E-03 2.40E-03 2.40E-03 2.40E-03 3 8 8 8 6 4395.03 1 2122.75 4.7109 0.06649 2.40F 03 1.14E-03 1.00F-03 2.40E-03 2.40						ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
8 7 66 65 27279.79 1 2122.60 4.7112 0.0303 0.0 0.0 3.41E-02 1.10E-03 1.04E-01 4.70F-01 3.7 62 27277.31 1.212.61 4.7712 0.0303 0.0 0.0 0.0 3.41E-03 1.10E-03 1.04E-01 4.70F-01 3.20E-03 9.70F-03		5	4	47	46	12038,69	2	2122.57	4.7113	0.0303	3.83F-05	6.81E-03	7.39E-02	2.705-01	5.82E-01	9.41F-01
3 2 9 8 4398.93 1 2122.75 4.7108 0.0524 2.49F 01 1.48F 02 1.98F 02 2.41F 02 2.59F 01 1.98F 00 6.95E 00 1.61F 01 6 5 6 5 6 6 5 17652.74 1.7108 0.0333 0.0 6.66F 01 1.98F 00 2.59F 01 1.98F 00 6.95E 00 1.61F 01 1.08F 00 2.59F 01 1.98F 00 6.95E 00 1.61F 01 1.08F 00 2.59F 01 1.98F 00 2.59F 00 2.59F 00 2.59F 01 1.98F 00 2.59F 00 2.5	•	8	7	86	<b>๊อรี</b>	27278.79	ī	2122.60	4.7112	0.0303	0.0	0.0		1.125-02	1.04E-01	4.79F-01
7 6 52 51 17240.70 1 2122.77 4.7100 0.0303 0.0 6.66C-03 2.52F-01 1.95F 00 6.95E 00 1.61F 01 6 9 6 58 1756.95 2 2123.21 4.7099 0.0303 0.0 5.19E-05 2.17E-03 1.76E-05 6.97E-02 1.36E-01 1.36E-01 1.06E-01 1	_	8			86			2122.61		0.0303		0.0	2.79F-04	9.55F-03	9.15E-02	4+29E-01
6 8 66 68 17656158 2 2123.21 4.7098 0.0303 5.19E-05 2.17E-03 1.7E-02 1.5GE-01 1 5.0F-01 6 5 36 37 13020.16 1 2123.72 4.7098 0.0303 8.46E-04 4.2EF-01 3.35E 00 1.40F 01 3.73F 02 2.66E 07 0.0303 8.46E-04 4.2EF-01 3.35E 00 1.40F 01 3.73F 02 2.66E 07 0.0303 8.46E-04 4.2EF-01 3.35E 00 1.40F 01 3.73F 01 5.70F 01 5.70F 01 6 5 2 2 6 1769.02 2 2124.93 4.7096 0.0303 8.46E-04 4.2EF-01 3.44F 00 2.30F 01 3.76F 01 1.36F 00 2.60F 00 2.50F 00 1.40F 01 3.60F		_		_			ī	2122.75	4.7109	0.0624	2.49F 01	1.14E 02	1.98F 02	2.41F 02	2.50E 02	2.40E 02
1 0 4 5 5 77.67 1 2123.70 4.7080 0.0614 2.39F 03 1.36F 03 6.35E 02 5.45F 02 3.73F 02 2.66E 07 6 5 8 37 31636.10 1 2123.72 4.7067 0.0303 8.46E-04 7.4701 3.33E 00 1.43F 01 3.33E 01 5.76E 01 5.76															6.95E 00	1.61F 01
6 5 5 5 37 13020.16 1 2123.72 4.7007 0.0303 5.465-04 2.4287-01 2.338 00 1.406 10 3.338 10 5 2.085 03 2.095 00 5 5 4 27 26 5711.93 1 2124.06 4.7020 0.0317 4.755-03 1.4755-03 1.246 00 2.146 01 2.056 00 2.056 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2.556 00 2		6		66	65			2123.21	4.7098	E0E0.0	0.0	5.198-05	2.17E-03	1.78E-02	6.57E-02	1.56F-01
4 3 35 34 6333,21 2 2123,95 4,7082 0.0317 4,75F-03 1,43F-01 6,37F-01 1,36F 00 2.06E 00 2.59E 00 5 4 7 2 68 971,93 1 2124,06 4,7000 0.0398 5,69F-02 3,46F-00 2.146F-00 2.16F-01 7,66F-01 1,36F-02 6 5 67 66 17983,92 2 2124,23 4,7076 0.0303 0.0 4,24F-05 1,87E-03 1,50F-02 5,99F-02 1,44E-01 1 0 8 7 102,91 2 2124,23 4,7074 0.0620 9,41E 01 1,37E 02 1,09F-02 0,44E-01 7 6 7 3 52 17465,22 1 2147,00 1 2124,30 4,7073 0.0600 9,41E 01 1,46E 02 1,48F 02 1,37E 02 1,09E 07 0,44E-01 2 1 1 15 15 15 15 15 15 15 15 15 15 15 15	~		0													
5 4 27 26 6711.03 1 2124.06		6														
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7 6 53 52 17426-27 1 2124-36 4.7073 0.0303 3.09F-05 5.69E-03 2.22E-01 1.70F-00 5.48E 00 1.52E 01 2 1 16 15 2532.96 2 2124-50 4.7070 0.0303 3.09F-05 5.95E-03 6.71E-02 2.51E-01 5.50F-01 9.00E-01 2 1 16 15 2532.96 2 2124-50 4.7070 0.0591 4.61E 00 8.57E 00 9.55E 00 8.56E 00 7.68E 00 6.47E 00 4.95E 00 3 2 2 25 24 924.99 2 2124-77 4.7064 0.0437 2.16E-01 1.48E 00 3.15E 00 4.34E 00 4.88E 00 4.95E 00 4.86E 00 4.88E 00 4.95E 00 4.88E 00 4.88		1			•											
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3	٠.															
6   5   66   67   18112.48   2   2125.22   4.7054   0.0303   0.0   3.46E-05   1.61E-03   1.41E-02   5.45E-02   1.34F-01     7   6   5   53   38   13158.27   1   2125.92   4.7038   0.0303   7.13E-04   2.17E-01   3.09F 00   1.33F 01   3.20E 01   5.59F 01     8   5   59   58   18344.26   2   2126.16   4.7033   0.0303   0.0   2.81F-05   1.38F-03   1.25E-02   4.76E-02   1.23E-01     8   6   5   59   68   18344.26   2   2126.16   4.7033   0.0303   0.0   2.81F-05   1.38F-03   1.25E-02   4.95E-02   1.23E-01     8   4   3   36   35   8457.48   2   2126.16   4.7033   0.0303   0.0   2.81F-05   1.38F-03   1.25E-02   4.95E-02   1.23E-01     9   4   2   2   2   2   2   2   2   2   2																
6   5   66   67   18112.48   2   2125.22   4.7054   0.0303   0.0   3.46E-05   1.61E-03   1.41E-02   5.45E-02   1.34F-01     7   6   5   53   38   13158.27   1   2125.92   4.7038   0.0303   7.13E-04   2.17E-01   3.09F 00   1.33F 01   3.20E 01   5.59F 01     8   5   59   58   18344.26   2   2126.16   4.7033   0.0303   0.0   2.81F-05   1.38F-03   1.25E-02   4.76E-02   1.23E-01     8   6   5   59   68   18344.26   2   2126.16   4.7033   0.0303   0.0   2.81F-05   1.38F-03   1.25E-02   4.95E-02   1.23E-01     8   4   3   36   35   8457.48   2   2126.16   4.7033   0.0303   0.0   2.81F-05   1.38F-03   1.25E-02   4.95E-02   1.23E-01     9   4   2   2   2   2   2   2   2   2   2		······ - <u>~</u>	- <u>\$</u> -													
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6 5 75 74 19801.66 2 2130.93 4.6928 0.0303 0.0 0.0 5.29E-04 5.90F-03 2.68E-02 7.38E-02											2.98F-03	1.08F-01				
		6														
		1	0		9											

‴ี่ ♥ี๋บ′	٧Ľ	ĴŪ,	``JL	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500		T = 2500	T=3000	T = 3500
4	з	20	19	7060.17	1	2131.27	4.6920	0.0535	1.60E 00	2.62E 01	8.64E 01	1.54F 02	2.07E 02	2.38E 02
5	à	```52^	51	12893.99	2	2131.30	4.6920	0.0303	0.0	3.33E-03	4.44E-02	1.84E-01	4.30E-01	7.37E-01
6	5	76	75	20055.60	2	2131.58	4.6914	0.0303	0.0	0.0	4.46E-04	5.17E-03	2.41E-02	6.74E-02
~ 7	·- 6	58	<b>-57</b>	18405.41	1	2131.61	4.6913	0.0303	0.0	2.44E-03	1.22E-01	1.12F 00	4.45E 00	1.12F 01
1	0	2	3	23.07	1	2131.63	4.6912	0.0609	1.51E 03	8.46E 02	5.16E 02	3.35F 02	2.29E 02	1.63E 02
~~7	6	116	115	35613.45	1	2131.65	4.6912	0.0303	0.0	0.0	0.0	1.09E-04	2.26E-03	1.84E-02
2	1	4	3	2166.13	1	2131.67	4.6912	0.0611	1.84E 02	2.88E 02	2.94F 02	2.60F 02	2.18E 02	1.79E 02
ີ ຮ	4	30	29	10021.54	1	2131.95	4.6905	0.0340 ,	4.20E-02	2.85E 00	1.91E 01	5.24E 01	9.33F 01	1.32E 02
6	5		76	20312.67	2	2132.18	4.6900	0.0303	0.0	0.0	3.76E-04	4.52E-03	2.16E-02	6.14E-02
6	5	42	41	13593.96	1	2132.26	4.6899	0.0303	4.11E-04	1.55E-01	2.44E 00	1.128 01	2.81E 01	5.06E 01
6	5		77	20572.85	2	21'32.74	4.6888	0.0303	0.0	0.0	3.16E-04	3.94E-03	1.93F-02	5.59E-02
Ξ	2	28	~27~	5528.43	2	2132.81	4.6887	0.0379	1.63F-01	1.27F 00	2.90E 00	4.15E 00	4.80E 00	4.97E 00
3	2	12	11	4509.11	1	2132.89	4.6885	0.0617	2.84E 01	1.37E 02	2.45E 02	3.03E 02	3.18E 02	3.08E 02
5	4	53	52	13075.18	2	2132.93	4.6884	0.0303	0.0	2.86E-03	3.98E-02	1.69E-01	4.02E-01	6.98F-01
7	6	59	58	18611.44	1	2132.93	4.6884	0.0303	0.0	2.04E-03	1.07E-01	1.01E 00	4.11E 00	1.04F 01
74	```З	39~	~38°	8851.20	2	2132.99	4.6883	E0E0.0	2.52E-03	9.73E-02	4.92E-01	1.14E 00	1.81E 00	2.35F 00
7	6	115	114	35232.91	1	2133.05	4.6881	0.0303	0.0	0.0	0.0	1.35E-04	2.69E-03	2.135-02
6	5	79	78	20836.14	2	2133-26	4.6877	0.0303	0.0	0.0	2.65E-04	3.43E-03	1.72E-02	5.08E-02
2	1	19	18	2718.44	2	2133.60	4.6869	0.0552	4.21E 00	8.56E 00	9.95F 00	9.51F 00	8.39E 00	7.17E 00
6	"~~S	"8ô"	79	21102.53	2	2133.73	4.6866	0.0303	0.0	0.0	2.21E-04	2.98E-03	1.53E-02	4.62E-02
6	5	18	80	21372.00	2	2134.16	4.6857	0.0303	0.0	0.0	1.85E-04	2.58E-03	1.37E-02	4.18E-02
7	6	60	59	18820.86	1	2134.21	4.6856	0.0303	0.0	1.70F-03	9.39E-02	9.12F-01	3.78E 00	9.74E 00
4	3	21	20	7134.78	1	2134.24	4.6855	0.0515	1.51E 00	2.56E 01	8.61E 01	1.56E 02	2.10E 02	2.43E 02
ĕ-	5	43	42	13746.29	1	2134.30	4.6854	E0E0.0	3.38E-04	1.37E-01	2.25E 00	1.05E 01	2.68E 01	4.87E 01
1	0	11	10	202.12	2	2134.32	4.6853	0.0625	4.56E 01	2.78E 01	1.76E 01	1.178 01	8.14E 00	5.85E 00
<u>ק</u>	- 6	114	ĭĭá	34855.04	1	2134139	4.6852	0.0303	0.0	0.0	0.0	1.66E-04	3.20E-03	2.48E-02
5	4	31	30	10132.03	1	2134.50	4.6849	0.0335	3.71E-02	2.65E 00	1.83E 01	5.09E 01	9.16E 01	1.30E 02
~~ 5	4	``'54``	53	T3259.72		2134.51	4.6849	0.0303	0.0	2.44E-03	3.55E-02	1.55E-01	3.76E-01	6.60E-01
6	5	82	81	21644.55	2	2134.55	4.6848	0.0303	0.0	0.0	1.54F-04	2.24F-03	1.21E-02	3.79E-02
6	5	83	82	21920.16	2	2134.89	4.6841	0.0303	0.0	0.0	1.28E-04	1.93E-03	1.08E-02	3.42E-02
4	3	40	39	8989.41	2	2135.15	4.6835	0.0303	2.12E-03	8.75E-02	4.57E-01	1.08E 00	1.74E 00	2.28E 00
6	5	84	83"	22198.82	2	2135.19	4.6834	0.0303	0.0	0.0	1.06F-04	1.66E-03	9.52E-03	3.096-02
2	1	5	4	2181.37		2135.31	4.6832	0.0614	2.25E 02	3.56E 02	3.64E 02	3.23E 02	2.71E 02	2.23E 02
" <del>"</del> 3	٠2	```29	28	5629.04		2135.42	4.6829	0.0359	1.46E-01	1.20E 00	2.80E 00	4.07E 00	4.75E 00	4.95E 00
7	6	61	60	19033.64	1	2135.44	4.6829	0.0303	0.0	1.41E-03	8.20E-02	8.21E-01	3.47E 00	9.08E_00
· ~6	ົ້ 5ັ	~~ es	84	22480.53	ž	2135.45	4.6829	0.0303	0.0	0.0	8.73E-05	1.435-03	8.42E-03	2.78E-02
1	0	1	2	11.54	1	2135.55	4.6826	0.0606	1.02F 03	5.71F 02	3.48E 02	2.26E 02	1.54E 02	1.09E 02
6	5	86	85	22765.26	2	2135.66	4.6824	0.0303	0.0	0.0	7.195-05	1.23E-03	7.43E-03	2.51E-02
7	6	113	112	34479.86	1	2135.69	4.6823	0.0303	0.0	0.0	0.0	2.05E-04	3.81E-03	2.87E-02
6	5	87	86	23053.02	2	2135.83	4.6820	0.0303	0.0	0.0	5.92E-05	1.05E-03	6.55E-03	2.25E-02
6	5	88	87	23343.78		2135.95	4.6818	0.0303	0.0	0.0	4.85E-05	9.02E-04	5.76E-03	2.02E-02
~~·	s	· 789	 88	~23637°53		2136.03	4.6816	0.0303	0.0	0.0	3.97E-05	7.70E-04	5.06E-03	1.81E-02
6	5	91	90	24233.98		2136.05	4.6815	0.0303	0.0	0.0	2.64E-05	5.58E-04	3.88E-03	1.456-02
5	4	55	54	13447.62	2	2136.06	4.6815	0.0303	0.0	`2.08E-03	3.16E-02	1.42E-01	3.50E-01	6.23E-01
6	5	90	89	23934.27		2136.06	4.6815	. E0E0.0	0.0	0.0	3.25E-05	6.57E-04	4.44E-03	1.62E-02
. 3.	<u>.</u>	13	12	4554.37		2136.20	4,6812	0.0610	2.88F 01	1.42E 02	2.57E 02	3.21E 02	3.38E 02	3.28E 02
6	5	44	43	13902-14		2136.29	4.6810	0.0303	2.77E-04	1.21E-01	2.06E 00	9.84E 00	2.54E 01	4.68E 01
<u>ē</u> -	- Ť	20	19	2787.51		2136.56	4.6804	0.0535	4.02E 00	8.45E 00	9.98E 00	9.64E 00	8.57E 00	7.35E 00
7	6		61	19249.80		2136.63	4.6803	0.0303	0.0	1.16F-03	7.14E-02	7.37F-01	3.18E 00	8.45E 00
<del></del> -	~ ~		TŤ	34107.37		2136.93	4.6796	0.0303	0.0	0.0	0.0	2.52E-04	4.52E-03	3.32E-02
5		32	31	10246.16		2137.02	4.6794	0.0331	3.25E-02	2.46E 00	1.74E 01	4.93E 01	8.97E 01	1.28E 02
<del>-</del>	3		- <u>~</u>	7213.10		2137.18	4.6791	0.0496	1.41F 00	2.49E 01	8.54E 01	1.56E 02	2.12F 02	2.47E 02
7	3		40	9131.08		2137.28	4.6788	.,^0•0303	1.78E::03	7.84E-02	4.24E-01	1.025 00	1.67E 00	2.47E 02
		<del></del>		7.31400		4401020	410100	. , ,0 ,0 ,0 ,0 ,0 ,0 ,0 ,0 ,0 ,0 ,0 ,0 ,	** . OEMOS	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			LEUIE UU	4 - C - L - UV

VÜ	VL	JÜ	JL.	LOWER	CODE	WAVE	WAVE	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORT		FFICIENT **	****
				STATE		NUMBER CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	<b></b> -												<del></del>	
5		56	55	13638.86		2137.57	4.6782	0.0303	0.0	1.76E-03	2.81E-02 1.87E 01	1.29E-01 1.25E 01	3.25E-01	5.87E-01 6.29E 00
7	0 6		11 62	242.53 19469.31	2 1	2137.59 2137.78	4.6782	0.0617 0.0303	4.70E 01	2.92E 01 9.58E-04	6.19E-02	6-61E-01	2.91E 00	7.85E 00
<del>'</del>			29	5733.20		2137.99	4.6773	0.0340	1.30E-01	1.12E 00	2.69E 00	3.97E 00	4.68E 00	4.91F 00
7	6		110	33737.59	1	2138.12	4.6770	0.0303	0.0	0.0 .	0.0	3.09E-04	5.36E-03	3.83E-02
	— <del>5</del>		44	14061.54		2138.24	4.6767	0.0303	2.25F-04	1.06E-01	1.88E 00	9.19E 00	2.41E 01	4.49E 01
7	6		63	19692.16	î	2138.88	4.6753	0.0303	0.0	7.86F-04	5.36E-02	5.91E-01	2.66- 00	7.28E 00
·	ī		5	2200.42		2138.90	4.6753	0.0617	2.63E 02	4.20E 02	4.32E 02	3.94E 02	3.23E 02	2.67E 02
5	4		56	13833.44	2	2139.04	4.6750	0.0303	0.0	1.49E-03	2.49E-02	1.18E-01	3.02F-01	5.52E-01
7	6	110	109	33370.55	1	2139.26	4.6745	0.0303	0.0	0.0	0.0	3.79E-01	6.34E-03	4.43F-02
4	3	42	41	9276,23	2	2139.37	4.6743	0.0303	1.48E-03	7.00E-02	3.92E-01	9.62E-01	1.59E 00	2.13E 00
1	Ö	0	1	3.85		2139.43	4.6741	0.0603	5.19F 02	2.88E 02	1.75E 02	1.14F 02	7.74F 01	5.49F 01
3	2	14	13	4603.40	1	2139.47	4.6741	0.0604	2.90E 01	1.46E 02	2.68E 02	3.36F 02	3.57F 02	3.47E 02
5	4	33	32	10363.92	1	2139.49	4.6740	0.0326	2.84E-02	2.27E 00	1.65F 01	4.75F 01	8.75F 01	1.26E 02
2	1	21	20	2860.19	2	2139.49	4.6740	0.0515	3.80E 00	8.29E 00	9.97E 00	9.72F 00	8.70F 00	7.50E 00
7	6	65	64	19918.36	1	2139.93	4.6730	0.0303	0.0	6.43E-04	4.63E-02	5.27E-01	2.43F 00	6.74E 00
4	3		22	7295.12		2140.08	4.6727	0.0476	1.32E 00	2.41E 01	8.43E 01	1.55E 02	2.14E 02	2.50E 02
6	5		45	14224.45		2140.15	4.6726	0.0303	1-825-04	9.29E-02	1.71E 00	8.575 00	S.SAE 01	4.305 01
7	6		108	33006.25		2140.35	4.6721	0.0303	0.0	0.0	0.0	4.64F-04	7.495-03	5.10E-02
5	4		57	14031-34		2140.46	4.6719	0.0303	0.0	1.26E-03	2.20E-02	1.07E-01	2.80E-01	5.18F-01
3	2		30	5840.91		2140.52	4.6718	0.0335	1.15E-01	1.05E 00	2.58E 00	3.86E 00	4.60F 00	4.87E 00
	0		12	286.60		2140.83	4.6711	0.0610	4.79E 01	3.040 01	1.97E 01	1.33F 01	9.28F 00	6.71F 00
7	6		65	20147.87		2140.95	4.6708	0.0303	0.0	5.24E-04	3.99E-02	4.69E-01	2.21E 00	6.23F 00 5.87E-02
			107	32644.72 9424.83		2141.38	4.6699	0.0303	0.0 1.22E-03	0.0	0.0	5.66F-04	8.84E-03 1.52F 00	2.06E 00
4 5	3		42 1758	9424.83 14232.57		2141.42 2141.85	4.6698	0.0303	0.0	6.22E-02	3.61E-01 1.94F-02	9.05F-01 9.70E-02	2.59E-01	4.96E-01
7	6		66	20380.71	1	2141.91	4.6687	0.0303	0.0	4.25F-04	3.42E-02	4.16E-01	2.00E 00	5.75E 00
5	¥		33	10485.30		2141.92	4.6687	0.0303	2.46E-02	2.08E 00	1.56E 01	4.57F 01	- 8 · 52E 01	1.24E 02
6	5		46	14390.88		2142.02	4.6685	0.0303	1.47E-04	8.10F-02	1.55F 00	7.96E 00	2.16E 01	4.10F 01
		107		32285.97		2142.37	4.6677	0.0303	0.0	0.0	0.0	6.91E-04	1.04E-02	6.75F-02
,	1	22	21	2936.50		2142.38	4.6677	0.0496	3.58E 00	8.08F 00	9.90E 00	9.77F 00	8.81F 00	7.63E 00
2	ī		6	2223.28		2142.47	4.6675	0.0620	5.98E 05	4.80E 02	4.97E 02"	4.43F 02	3.74E 02	3.09E 02
3	2		14	4656.18		2142.71	4.6670	0.0597	2.88F 01	1.49F 02	2.77E 02	3.50E 02	3.73E 02	3.64F 02
7	6		67	20616.86		2142.84	4.6667	0.0303	0.0	3.44E-04	2.93F-02	3.69F-01	1.82E 00	5.30F 00
4	3		23	7380.84		2142.94	4.6665	0.0457	1.22E 00	2.32E 01	8.28F 01	1.55E 02	2.15E 02	2.53F 02
₹	2	32	31	5952.17	2	2143.02	4.6663	0.0331	1.01E-01	9.75E-01	2.46F 00	3.755 00	4.51E 00	4.81E 00
5	4	60	59	14437.11	2	2143.20	4 • 6659	0.0303	0.0	8.81E-04	1.70E-02	8.785-02	2.39E-01	4.55E-01
7	6	106	105	31930.02	1	2143.31	4.6657	0.0303	0.0	0.0	0.0	8.41E-04	1.23E-02	7.75E-02
4	3		43	9576.89	2	2143.43	4.6654	0.0303	1.01E-03	5.51E-02	3.31E-01	8.50F-01	1.45F 00	1.98E 00
7	6	69	68	20856.30	<u>1</u>	2143.72	4.6648	0.0303	0.0	2.78E-04	2.51E-02	3.26E-01	1.64F 00	4.87F 00
6	5		47	14560.82		2143.84	4.6645	0.0303	1.17F-04	7.03E-02	1.40E 00	7.38E 00	2.03F 01	3.91E 01
î			13	334.34		2144.04	4.6641	0+0604	4.82F 01	3.13F 01	2.05F 01	1.39E 01	9.79F 00	7.10E 00
7	6	*****	104	31576.87		2144.19	4.6638	0.0303	0.0	0.0	0.0	1.02F-03	1.445-02	8.89E-02
5			34	10610.31		2144.32	4.6635	0.0317	2.11E-02	1.90F 00	1.47E 01	4.39E 01	8.28F 01	1.22E 02
5			60	14644.96		2144.50	4.6631	0.0303	0.0	7.34E-04	1.49E-02	7.92E-02	2.20E-01	4+25F-01
7			69	21099.03		2144.55	4.6630	0.0303	0.0	2.23E-04	2.14E-02	2.88E-01	1.49E 00	4-47F 00
7		104		31226.56		2145.03	4.6619	0.0303	0.0	0.0	2.14F-05	1.245-03	1.69E-02	1.02F-01
2			22	3016.41		2145.24	4.6615	0.0476	3.34E 00	7.84F 00	9.79E 00	9.77= 00	8.88F 00	7.74F 00
7			70	21345.04		2145.34	4,6613	0.0303	0.0	1.79E-04	1.82E-02	2.54F-01	1.34E 00	4.10E 00
4			44	9732.40		2145.40	4.6611	0.0303	8-25F-04	4.86E-02	3.03E-01	7.96F-01	1.38F 00	1.90F 00
3			32	6066.97		2145.48	4.6610	0.0326	8.88E-02	9.02E-01	2.34F 00	3.62F 00	4.41F 00	4.74F 00
6			48	14734.27		2145.62	4.6607	0.0303	9.356-05	6.08E-02	1.26E 00	6.83E 00	1.91€ 01	3.72E 01
4	3	25	24	7470+27	1 1	2145.76	4.6604	0.0437	1.11E 00	2.22F 01	8.10E 01	1.54E 02	2.15F 02	2.54F 02

VU.	٧L	บับ	JL	LOWER STATE	CODE	WAVE NUMBER:	WAVE'	HALF WIDTH	*****	** INTEGRATI	ED ** ABSORF CM*G		EFFICIENT *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
5	4	62		14856.11	2	2145.76	4.6604	0.0303	0.0	6.10E-04	1.30E-02	7.14F-02	2.02E-01	3.96E-01
7	6	103	102	30879.08	1	2145.81	4.6602	0.0303	0.0	0.0	2.73E-05	1.50E-03	1.98E-02	1.17E-01
3_	_ 2		15	4712.73	1	2145.90	4.6600	0.0591	2.84E 01	1.51E 02	2.84E 02	3.63E 02	3.88E 02	3.81E 0
2	1	8	7	2249.94	1	2145.99	4.6599	0.0623	3.28E 02	5.36E 02	5.58E 02	5.00E 02	4.23E 02	3.50E 0
	6_	72	71	21594.31	1	2146.08	4.6597	E0E0.0	0.0	1.43E-04	1.546-02	2.23E-01	1.21F 00	3.76F 0
7		102		30534.46	1	2146.55	4.6586	0.0303	0.0	0.0	3.46E-05	1.82E-03	S-31E-08	1.33E-0
	<b>4</b>	36	35	10738.94	1	2146.67	4.6584	0.0312	1.81E-02	1.73E 00	1.38F 01	4.20E 01	R-02F 01	1.19E_0
	~ ~~~	73	72	21846.84	1	2146.78	4.6581	0.0303	0.0	1.14E-04	1.305-02	1.95E-01	1.08E 00	3.43E 0
5	<u>. 4</u>	63	62	15070.55		2146.99	4.6577	0.0303	0.0	5.05E-04 2.90E 02	1.13E-02 1.76E 02	. 6.42E-02	1.85E-01 7.79E 01	3.69E-0 5.53E 0
1	0	1 15	0 14	0.0 385.75	1 2	2147.08	4.6575 4.6572	0.0603 0.0597	5.23E 02 4.81E 01	3.20E 01	2.13E 01	1.14E 02 1.45E 01	1.03E 01	7.47E 0
<del></del>			100	30192.72		2147.23	4.6572	0.0303	0.0	0.0	4.39E-05	2.195-03	2.70E-02	1.525-0
Á	3	46	45	9891.36	2	2147.33	4.6569	0.0303	6.71E-04	4.27E-02	2.77E-01	7.44E-01	1.31E 00	1.82E 00
	<del></del> 5	~~50~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	14911.20	1	2147.37	4.6569	0.0303	7.40E-05	5.24E-02	1 14E 00	6.30E 00	1.79E 01	3.54E 0
7	6	74	73	22102.62	i	2147.43	4.6567	0.0303	0.0	9.02E-05	1.10E-02	1.71E-01	9.71E-01	3.13E 0
÷-			99	29853.86	<u> </u>	2147.87	4.6558	0.0303	0.0	0.0	5.55E-05	2.64E-03	3.15E-02	1.73E-0
3	2	34	33	6185.32	2	2147.90	4.6557	0.0321	7.73E-02	8.316-01	2.22E 00	3.49E 00	4.30E 00	4.66E 0
7		75	74	22361.64	1	2148.03	4.6554	0.0303	0.0	7.13E-05	9.23E-03	1.49E-01	8.69E-01	2.86E 0
2	1	24	23	3099.94	2	2148.06	4.6554	0.0457	3.09E 00	7.56F 00	9.63E 00	9.73F 00	8.92E 00	7.82E 0
5	4	64	7637	15288.27	2	2148.17	4.6551	0.0303	0.0	4.16E-04	9.86E-03	76E-02	1.70E-01	3.43E-0
7	6	99	98	,29517.91	1	2148.45	4.6545	0.0303	0.0	0.0	7.01E-05	3.17E-03	3.67E-02	1.97E-0
4	3	26	25	7563.39	- i	2148.54	4.6543	0.0418	1.01E 00	2.12E 01	7.89E 01	1.52F 02	2.14E 02	2.55E 0:
7	6	76	75	22623.88	1	2148.59	4.6542	E0E0.0	0.0	5.62E-05	7.756-03	1.30F-01	7.77E-01	2.60F 00
5	4	37	36	10871.18	1	2148.98	4.6534	0.0308	1.54E-02	1.57E 00	1.29E 01	4.01F 01	7.75F 01	1.16F 0
7	6	98	97	29184.87	1	2148.99	4.6533	0.0303	0.0	0.0	8.82E-05	3.81E-03	4.27E-02	2.24E-0
3	2	17	16	4773.03	1	2149.06	4.6532	0.0585	2.77E 01	1.52E 02	S. 90E 02	3.736 02	4.02E 02	3.95E 0
6	5	51	50	15091.63	1	2149.06	4.6532	0.0303	5.83E-05	4.50E-02	1.02E 00	5.80F 00	1.68E 01	3.35E 0
7	6	77	76	22889.33	1	2149.11	4.6531	0.0303	0.0	4.41F-05	6.49E-03	1.13E-01	6.93E-01	2.36E 0
4	3	47	46	10053.75	2	2149.23	4.6528	0.0303	5.44E-04	3.74E-02	2.52E-01	6.93E-01	1.24€ 00	1.75E 00
5	4	65	64	15509.25	2	2149.31	4,6527	0.0303	0.0	3.42F-04	8.55€-03	5.15E-02	1.556-01	3.18E-0
	6.	97	9.6	28854.77		2149.48	4.6523	<u> </u>	0.0	0.0	1.11E-04	.4.55E-03	4.95E-02_	2.54E-0
~_2~	<u> </u>	9		2280.41	1	2149.48	4.6523	0.0624	3.54E 02	5.87E 02	6.16F 02	`'5.54F` 02 '	4.70E 02	3.90E 0
	يُ	78	77	23157.98		2149.57	4.6521	0.0303	0.0	3.45E-05	5.42E-03	9.82F-02	6-17F-01	2.14E 0
7	6	96	95	28527.61	ì	2149.92	4.6513	0.0303	0.0	0.0	1.39E-04	5.46E-03	5.74E-02 5.49E-01	2.88E-0
<del>'</del> 3-	62	79 35	-78 -34	23429.83 6307.19	<u>-1</u>	2150.00	4.6512	0.0303	0.0 6.69E-02	2.70E-05 7.62E-01	4.51E-03 2.09E 00	8.51F-02	4.18E 00	4.57E 0
7	6	95	94	28203.41	1	2150.28	4.6505	0.0303	0.0	0.0	1.74E-04	5.52E-03	6.64E-02	3.26E-0
·" i"		``~îi6	-15	440.81	-u-t	2150.35	4.6504	0.0591	4.74E 01	3.24E 01	2.18E 01	1.50E 01	1.07E 01	7.81E 0
7	6	80	79	23704.85	1	2150.37	4.6504	0.0303	0.0	2.10E-05	3.75E-03	7.35E-02	4.87E-01	1.75E 0
<u>.</u>	- 4	66	-65	15733.51	- <u>2</u>	2150.41	4.6503	0.0303	0.0	2.81E-04	7.395-03	4.60E-02	1.426-01	2.95E-0
7	6	94	93	27882.18	ĩ	2150.65	4.6498	E0E0.0	0.0	0.0	2.17E-04	7.76E-03	7.67F-02	3.68E-0
·		-61	80	23983.04	1	2150.70	4.6496	0.0303	0.0	0.0	3.11E-03	6.34E-02	4.31E-01	1.58E 0
6	5	52	51	15275.54	1	2150.72	4.6496	0.0303	4.56F-05	3.85E-02	9.12E-01	5.32F 00	1.57F 01	3.17E 0
2		25	24	3187.07	2	2150.84	4.6493	0.0437	2.84E 00	7.26F 00	9.44E 00	9.66E 00	8.93E 00	7.87E 0
1	0	2	1	3.85	1	2150.86	4.6493	0.0606	1.04E 03	5.80E 02	3.53E 02	2.29E 02	1.56E 02	1.11E 02
7	6	9.3	92	27563.95	1	2150.94	4.6491	0.0303	0.0	0.0	2.70E-04	9.23F-03	8.85E-02	4.156-0
7	6	82	81	24264.39	1	2150.98	4.6490	0.0303	0.0	0.0	2.57E-03	5.46E-02	3.82E-01	1.43F 0
4	Э.	48	47	10219.57	2'	2151.09	4.6488	E0E0.0	4.38F-04	3.26E-02	2.29E-01	6.44F-01	1.17E 00	1.67E 0
7	6	92	91	27248.71	1	2151.18	4.6486	0.0303	0.0	0.0	3.35E-04	1.105-02	1.02E-01	4.68E-0
~7``	·~``````````	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	82	24548.88	1	2151.21	4.6485	0.0303	0.0	0.0	2.12E-03	4.69F-02	3.37E-01	1.29E 0
5	4	Эe	37	11007.02	1	2151.25	4.6485	0.0303	1.30E-02	1.42E 00	1.21F 01	3.81F 01	7.46E 01	1.13E 0
4	3	27	26	7660.20	1	2151.28	4.6484	86E0•0	9.18E-01	2.01E 01	7.66E 01	1.49E 02	2.12E 02	2.55E 0:
7	6	91	90	26936.49	1	2151.38	4.6482 1	- 0≥0303	0.0	,0.0	4.16E-04	1.30E-02	1.17E-01	5.27F-01

VU	VL	JU	JĹ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	D ** ABSORP CM*G*		EFFICIENT *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7	6	84	83	24836.50		2151.40	4.6481	0.0303	0.0	0.0	1.74F-03	4.02F-02	2.97F-01	1.16E 00
5	4	67	66	15961.02		2151.47	4.6480	E0E0.0	0.0	2.29F-04	6.38F-03	4 . 1 OF-02	1.29E-01	2.73E-01
	6	90	89	26627.30		2151.52	4.6479	0.0303	0.0	0.0	5.14E-04	1.54F-02	1.355-01	5.92F-01
7	6	85	84	25127.25		2151.54	4.6478	0.0303	0.0	0.0	1.43E-03	3.44E-02	2.61E-01	1.04E 00
	6	89	88	26321.15		2151.62	4+6477	E0E0.0	0.0	0.0	6.33E-04	1.81E-02	1.54E-01	6.64E-01
7	6	86	85	25421.09		2151.63	4.6476	0.0303	0.0	0.0	1.17E-03	2.94E-02	2.30F-01	9.305-01
<del>-7</del>	6	<u>88</u> 87	87	26018.06		2151.67	4.6476	0.0303	0.0		7.79E-04	. 2 · 13E-02	1.76F-01	7.44E-01
	2		86	25718.04		2151.68	4.6475	0.0303	0.0	0.0	9.56E-04	2.51E-02	2.01E-01	8.33E-01
<del>3</del> -	<del></del>	<u> 18</u> 53	17 52	4837.09 15462.93		2152.19	4.6464	0.0568	2.68F 01 3.56E-05	1.51E 02 3.28F-02	2.93F 02 8.13E-01	3.81F 02 4.87E 00	4.13E 02	4.09E 02
5	4	68	67	16191.77		2152.48	4.6458	0.0303	3.505-05	1.86E-04	5.49E-03	3.65F-02	1.46E 01 1.17E-01	3.00E 01 2.52E-01
3	2	36	35	6432.60		2152.63	4 • 6455	0.0312	5.756-02	6.96E-01	1.97F 00	3.55E 00	4.06E 00	4.47E 00
4	3	49	48	10388.82		2152.90	4.6449	0.0303	3.51E-04	2.83E-02	2.07E-01	5.97E-01	1.10E 00	1.59E 00
		10		2314.69		2152.94	4.6448	0.0624	3.75E 02	6.32F 02	76.69E 02	"อี"จีรัย อื่อ"	5.15E 02	4.28E 02
1	ō	17	16	499.54		2153.45	4.6437	0.0585	4.64E 01	3.26E 01	2.23E 01	1.55F 01	1.11E 01	8.11E 00
5		69	68	16425.77		2153.46	4.6437	0.0303	0.0	1.51F-04	4.71F-03	3 23F-02 -	1.06E-01	2.325-01
5	4	39	38	11146.46		2153.49	4.6436	E0E0.0	1.09E-02	1.27E 00	1.12E 01	3.61F 01	7.18E 01	1.09E 02
2	1	26	25	3277.80		2153.59	4.6434	0.0418	2.50E 00	6.93E 00	9.21F 00	9.55E 00	8.90E 00	7.90F 00
6	5	54	53	15653.78		2153.91	4.6427	0.0303	2.75E-05	2.79E-02	7.23E-01	4.45F 00	1.36E 01 -	2.83E 01
4	3	28	27	7760.70		2153.99	4.6425	0.0379	8.25E-01	1.89E 01		1.46E 02	2.10F 02	2.54E 0
6		121	120	35797.48		2154.17	4.6422	0.0303	0.0	0.0	0.0	9.01E-05	1.90E-03	1.575-0
5	4	70	69	16662.99		2154.39	4.6417	0.0303	0.0	1.22E-04	4.03E-03	2.86E-02	9.64E-02	2.14E-0
1	0	3	2	11.54	1	2154.60	4.6412	0.0609	1.55E 03	8.66E 02	5.27F 02	3.42F 02	2.34E 02	1.66E 0:
4	3	50	49	10561.49	`2	2154.68	4.6411	0.0303	2.79E-04	2.45E-02	1.87E-01	5.525-01	1.04E 00	1.51E 00
3	2	37	36	6561.53	2	2154.94	4.6405	0.0308	4.925-02	6.33E-01	1.85F 00	3.0PE 00	3.935 00	4.37E 00
3	2_	19	18	4904.90	1	2155.27	4.6398	0.0552	2.57F 01	1.50E 02	2.95E 02	3.88F 02	4.23E 02	4.20E 0
5	. 4	71	70	16903.43		2155.28	4.6398	0.0303	0.0	9.85E-05	3.44E-03	2.53F-02	8.72F-02	1.97E-01
6	5	55	54	15848.09		2155.43	4.6394	0.0303	2.12F-05	2.36E-02	6.40F-01	4.06E 00	1.27F 01	2.66E 01
5	4	40	39	11289.51		2155.68	4.6389	0.0303	9.15E-03	1.14E 00	1.04E 01	3.42E 01	6.88E 01	1.06E 0
6	5	120		35399.70		2155.79	4.6387	0.0303	0.0	0.0	0.0	1 13E-04	2.20E-03	1.84E-02
5	4	72	71	17147.08		2156.13	4.6379	0.0303	0.0	7.91F-05	2.935-03	2.23E-02	7.87E-02	1.81E-01
2	1	27	26	3372.13		2156.31	4.6376	86E0.0	2.36F 00	6.58F 00	8.968 00	"9.41E 00"	า๊า 8ั∙ ยร∈าoo	7.91E 0
_2_	1_	11	10	2352.76		2156.35	4.6375	0.0625	3.91E 02	6.72F 02	7.18E 02	_6.52E_02	5.57E 02	4.65F 02
4	3	51	50	10737.57		2156.42	4.6373	0.0303	2.21E-04	2.11F~02	1.68E-01	5.10E-01	9.72E-01	1.44E 00
	0	18	17	561.92		2156.51	4.6371	0.0568	4.50E 01	3.26E 01	2.26E 01	1.59F 01	1.14E 01	8.39E 0
~ <del>'</del>	3	29	28	7864.89		2156.65	4.6368	0.0359	7.36F-01	1.78E 01	7.12E 01	1.43E 02	2.07E 02	2.525 02
6	5	56	55	16045.84		2156.92	4.6362	0.0303	0.0	1.99E-02	5.666-01	3.69E 00	1 - 17E 01	2.508 01
5		73	72	17393.93		2156.93	4.6362	0.0303	0.0	6.33E-05	2.49E-03	1.96E-02	7.09E-02	1.66E-0
3 6	2	38	37.	6693,98		2157.22	4.6356	0.0303	4.18E-02	5.73E-01	1.73E 00	2.93E 00	3.79E 00	4.25E 0
		TĪĢ '		35004.53		2157.36	4.6353	0.0303	0.0	0.0	0.0	1.40F-04	~2.75E-03	2.15E-0
<u>. 5</u>	-4-	74	73	17643.96		2157.70	4.6346	0.0303	0.0	5.05E-05	2.11E-03	1.73E-02	6.38E-02	1.52E-0
4	3	41 52	40 51	1.1436.14		2157.83	4.6343	0.0303	7.60E-03	1.02E 00	9.60F 00	3.22F 01	6.58E 01	1.02F 0
	0	4	~	23.07		2158.12	4.6337	0.0303	1.74F~04	1.81E-02	1.51E-01	4-69E-01	9.10E-01 3.11F 02	1.36E Q
3	2		19	4976.46			4.6333	0.0611	2.04F 03	1.14E 03	6.99E 02	"4.55F 02		2.21E 0
<del>5</del>	··· · · · · · · · · · · · · · · · · ·	- 57	<del></del>	16247.05		2158.32	4.6332	0.0535	2.44E 01	1.48E 02 1.67E-02	2.96E 02 4.99E-01	_3.92F 00 .	4.31E 02	4.30E 0
5	Δ		74	17897-18									1.08E 01	2.34E 0
		118"		34611.99		2158.42	4.6330	0.0303	0.0	4.02E-05	1.78E-03	1.51F-02	5.73E-02 3.29E-03	1.38F-0 2.51E-0
2	1	28	27	3470.06		2158.98	4.6318	0.0379	2.13E 00			1.755-04		
~~£	· <del>'</del>	76	75	18153.57		2159.10	4.6316	0.0379	0.0	6.22F 00 3.18E-05	8.67E 00	9.24E 00	8.78E 00	7.89E 0
- J	3	30	29	7972.75							1.50E-03		5.14F-02	1.265-0
Ĵ.		39 -	38	7972.75 6829.95		2159.28	4.6312	0.0340	6.53E-01	1.66E 01	6.83E_01	1.39E 02	2.04E 02	2.50E 0
1	0		18	627.96		2159.45 2159.54	4.6308	0.0303	3.53E-02	5.17F-01	1.61E 00	2.790 00	3.650 00	4.14E 0
				04/e40		6137634	4.6306	0.0552	4.32E 01	3.23E 01	2.28E 01	1.61E 01	1.17F 01	8.64E 0

"ในน้ำ	Vt.	້ ມີບ້າ	JL	LOWER STATE	CODE	NUMBER	WAVE LENGTH	HALF ₩IDTH		** INTEGRATE	CM*G	M-1		
				ENERGY		CM-1	MICRON	HS	T = 1000	Y = 1500	τ = 2000	T = 2500	T = 3000	T = 3500
_ 5	4	77	76	18413.12		2159.73	4.6302	0.0303	0.0	2.52E-05	1.26E-03	1.15E-02	4.60E-02	1.15E-01
2	ı ı ı	12	11	2394.64		2159.73	4.6302	0.0617	4.02E 02	7.05E 02	7.61F 02	6.96E 02	5.97E 02	5.00E 02
6 4	5_	5,8	57	16451.68		2159.76	4.6301	0.0303	0.0	1.40E-02	4.38E-01	3.03E 00	1.00E 01	2.19E 01
	3	53	52	11099.95		2159.78	4.6301	0.0303	1.37E-04	1.55E-02	1.356-01	4.31E-01	8.51F-01	1.29E 00
. 5.	4_	42	_41_	11586.35	1	2159.94	4.6298	0.0303	6.28E-03	9.03E-01	8.84E 00	3.03E 01	6.29E 01	9.87E 01
5	4	78	77	18675.82		2160.32	4.6289	0.0303		0.0	1.06E-03	1.01E-02	4-11E-02	1.05E-01
_ 6	. 5	117		34222.09	1	2160.35	4.6289	0.0303	0.0	0.0	0.0	2.17E-04	3.94E-03	2.92E-02
<b></b> 5`		79	78	18941.66		2160.87	4.6278	0.0303	0.0	0.0	8.85E-04	8.745-03	3.66E-02	9.51E-02
. 6	5	_59	58	16659.74	1	2161.12	4.6272	0.0303	0.0	1.16E-02	3.84F-01	2.74E 00	9.23E 00	2.05E 01
3	2	21	20	5051.77	i	2161.33	4.6268	0.0515	2.30F 01	1.44E 02	2.95E 02	3.95E 02	4.38E 02	4.39E 02
. 5	4	80	79	19210.62	2	2161.38	4.6267	0.0303	0.0	0.0	7.39F-04	7.59E-03	3.26E-02	8.62E-07
4	3	54	53	11286.22	2	2161.40	4.6266	E0E0.0	1.07E-04	1.33E-02	1.20E-01	3.95E-01	7.94E-01	1.22E 00
2	_ 1 _	29	28	3571.58	. 2	2161.62	4.6262	0.0359	1.91E 00	5.86E 00	8.36E 00	9.04E 00	8.67E 00	7.86E 00
<b>"</b> "3		40	39	6969.43		2161.65	4.6261	0.0303	2.97E-02	4.65E-01	1.50E 00	2.64E 00	3.51F 00	4.01E 00
. 6		116		33834.87	1	2161.76	4.6259	0.0303	0.0	0.0	0.0	2.69F-04	4.72E-03	3.40E-0
ີ້ ຣີ	4		80	19482.71	2	2161.84	4.6257	0.0303	0.0	0.0	6.15E-04	6.57E-03	2.90F-02	7.81E-0;
4	3	31	30	8084.29	1	2161.87	4.6256	0.0335	5.75E-01	1.54E 01	6.52E 01	1.35E 02	2.00E 02	2.47F 0
· <u>'</u> 1	· · · · · ·	5	4	38.45	1	2161.97	4.6254	0.0614	2.49E 03	1.41E 03	8.66E 02	5.65E 02	3.86E 02	2.75F 0
5	4	43	42	11740.14	1	2162.00	4.6253	0.0303	5.16E-03	7.99E-01	8.11F 00	2.85E 01	5.99E 01	9.50E 0
5	4	82	81	19757.90	2	2162.26	4.6248	0.0303	0.0	0.0	5.11E-04	5.685-03	2.57E-02	7.06F-0
6	. 5	60	59	16871.22	1	2162.43	4.6244	0.0303	0.0	9.67E-03	3.36E-01	2.47F 00	9.49E 00	1.91E 01
1	- o -	20	19	697.65	2	2162.54	4.6242	0.0535	4.12E 01	3.19E 01	2.29E 01	1.64E 01	1.195 01	8.86E 00
5	4	83	82	20036.19	2	2162.63	4.6240	0.0303	0.0	0.0	4.24E-04	4.90F-03	2.28E-02	6.38E-0
<b>.</b> 5	^ 4	84	83	20317.56	2	2162.96	4.6233	0.0303	0.0	0.0	3.50E-04	4.22F-03	2.02E-02	5.75E-02
4	3	55	54	11475.88	2	2162.98	4.6233	0.0303	8.28F-05	1.13E-02	1.07E-01	3.61E-01	7.39E-01	1.15E 0
·	1	"13	" i 2"	2440.32	i	2163.08	4.6230	0.0610	4.09E 02	7.33E 02	7.99E 02	7.36E 02	6.35E 0S	5.32E 0
6	5	115	114	33450.32	1	2163.13	4.6229	0.0303	0.0	0.0	0.0	3.34E-04	5.63E-03	3.95E-02
5	4	85	84	20602.01	2	2163.25	4.6227	0.0303	0.0	0.0	2.89E-04	3.62E-03	1.78E-02	5.18F-02
5	4	96	95	23930.47	2	2163.48	4.6222	0.0303	0.0	0.0	2.97E-05	6.01E-04	4.06E-03	1.48E-0:
- 5	4	86	85	20889.52	2 -	2163.50	4.6221	E0E0.0	0.0	0.0	2.38E-04	3.11F-03	1.57F-02	4.65E-02
5	4	95	94	23612.99	2	2163.68	4.6218	E0E0.0	0.0	0.0	3.69E-05	7.14E-04	4.68E-03	1.67E-0:
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5	~61 [~]	60	17086.11	1	2163.69	4.6217	0.0303	0.0	8.00E-03	2.93F-01	2.22E 00	7.79E 00	1.78E 0
5	4	87	86	21180.08	2	2163.70	4.6217	0.0303	0.0	0.0	1.95E-04	5.66E-03	1.385-02	4.18E-02
3	2	41	40	7112.42	"2 ² "	2163.81	4.6215	0.0303	2.48E-02	4.16E-01	1.39E 00	2.50E 00	3.36F 00	3.88E 0
5	4	94	93	23298.45	2	2163.84	4.6214	E0E0.0	0.0	0.0	4.58E-05	8.47F-04	5.39E-03	1.89E-0;
``ŝ`	4	- ēē	87	21473.68	<u>-</u>	2163.85	4.6214	0.0303	0.0	0.0	1.60E-04	2.27F-03	1.21E-02	3.75E-0:
5	. 4	93	92	22986.86	2	2163.96	4.6212	0.0303	0.0	0.0	5.68E-05	1.00F-03	6.20F-03	2.12F-0
ີ້ 5ໍ	``` 4 [^] `	~ 8 ° 9	ີ 88ີ	~2177ŏ~ãï	2 2	2163.96	4.6212	0.0303	0.0	0.0	1.31E-04	1.94E-03	1.06E-02	3.35E-0:
5	4	92	91	22678.24	2	2164.02	4.6210	E0E0.0	0.0	0.0	7.02F-05	t • 19E-03	7.11E-03	2.38E-0
์ ธั	4	90	69	22069.95	2	2164.03	4.6210	0.0303	0.0	0.0	1.06E-04	1.65E-03	9.32E-03	3.00E-0
5	4	44	43	11897.51	1	2164.03	4.6210	0.0303	4.21F-03	7.04E-01	7.42E 00	2.66E 01	5.69E 01	9.12E 0
~~5	4	91	90	09.STESS	2	2164.05	4.6210	0.0303	0.0	0.0	8.65F-05	1.40F-03	8.15E-03	2.68E-0
2 3	1	30	29	3676.69	2	2164.22	4.6206	0.0340	1.70F 00	5.49E 00	8.03E 00	8.82E 00	8.55E 00	7.80E 0
3	```ž'`	22	~2ì"	~~5130~82°	1	2164.30	4.6204	0.0496	2.16F 01	1.40E 02	2.92F 02	3.96F 02	4.42F 02	4.46E 0
4	3	32	31	8199.50	1	2164.41	4.6202	0.0331	5.04E-01	1.43E 01	6.20F 01	1.31E 02	1.96E 02	2.44E 02
6	~~~5 ⁻	114	113	33068.48	1	2164.44	4.6201	0.0303	0.0	0.0	0.0	4.13E-04	6.71E-03	4.59E-02
4	3	56	55	11668.92	2	2164.52	4.6200	0.0303	6.39F-05	9.54E-03	9.49E-02	3.29E-01	6.87E-01	1.08E 0
~~6	5	62	~61~	17304.39	· i · · ·	2164.92	4.6191	0.0303	0.0	6.60E-03	2.54E-01	1.99E 00	7.13E 00	1.66E 0
	ō	21		771.00	2	2165.50	4.6179	0.0515	3.90E 01	3.13F 01	2.28E 01	1.65F 01	1.21E 01	9.04E 00
<u>1</u>	֓֞֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֓֓֡֓֓֓֡֓֡	6"	2 <u>.0</u>	57.67	····ī	2165.60	4.6177	0.0617	2.92E 03	1.67E 03	1.03E 03	6.72E 02	4.61E 02	3.28E 02
6	_	113		32689.35	1	2165.70	4.6174	0.0303	0.0	0.0	0.0	5.09F-04	7.99E-03	5.33E-0
3		42	417	7258.90	2	2165.93	4.6170	0.0303	2.06E-02	3.71E-01	1.28E 00	2.36E 00	3.22E 00	3.75E 0
4	_			11865.33	2	2166.01	4.6168	. 0.0303	4.91E-05	8:05F-03	0.40E-02	3.00E-01	6.37E-01	1.02F 00

Ψų.	VL	JŪ	JL	LOWER	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*******	* INTEGRAT	D ** ARSORP CM*GM		FFICIENT *	****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500		T = 2500	T = 3000	T = 3500
- ·	م	45	ΔΔ	12058.43		2166.01	4.6168	0.0303	3.42E-03	6.17E-01	6•77F 00	2.49E 01	5.39E 01	8.75F 01
, <u>5</u>	·		62	17526.07		2166.10	4.5166	0.0303	0.0	5.43F-03	2.21E-01	78E 00	6.52F 00	1.54E 01
	1		13	2489.80		2166.38	4.6160	0.0604	4.11E 02	7.54E 02	8.33E 02	7.72E 02	6.69F 02	5.63F 02
2	` 1	~ 3 1	30	3785.38	2	2166.79	4.6151	0.0335	1.50E 00	5.12E 00	7.69E 00	8.58E 00	8.40E 00	7.72F 00
. 6		112		32312.95		2166.91	4.6149	0.0303	0.0	0.0	0.0	6.28E-04	9.50E-03	6.17F-02
4	3	33	32	8318.38	1	2166.92	4.6148	0.0326	4.38E-01	1.32F 01	5.88E 01	1.26F 02	1.918 02	2.40E 02
<u>3</u>	2		22	5213.61		2167.23	4.6142	0.0476	2.01F 01	1.36E 02	2.88F 02	3.96F 02	4.45E 02	4.52E 02
6	5		63	17751.12		2167.23	4.6142	0.0303	0.0	4.44E-03	1.915-01	1.59E 00	5.958 00	1.43E 01
···· • • • • • • • • • • • • • • • • •	🤼		57	12065.10		2167.47	4.6137	0.0303	3.75E-05	6.77E-03	7.41E-02	2.72E-01	5.89E-01	9.55E-01
	4		45	12222.92		2167.96	4.6126	0.0303	2.76F-03.	5.40E-01	6.15E 00	2.32E 01	5.10E 01	8.37E 01
- 3	2		42	7408.88 31939.30		2168.01	4.6125	0.0303	1.70E-02	3.29E-01	1.18E 00	2.22F 00 7.73F-04	3.07E 00	7.14E-02
6	5		64	17979.55		2168.06 2168.32	4.6124 4.6119	0.0303	0.0	3.63E-03	1.64E-01	1.42E 00	5.42E 00	1.32E 01
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	`~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-21	847.99		2168.43	4.6116	0.0303	3.66E 01	3.05E 01	2.27E 01	1.66E 01	TI ZZE OF	7.20F 00
Ã	3		58	12268.22		2168.89	4.6107	0.0303	2.85E-05	5.67E-03	6.52E-02	2.46F-01	5.44E-01	8.95E-01
··· 6		Tio T		31568.43		2169.17	4.6101	0.0303	0.0	0.0	0.0	9.49F-04	1.34E-02	8.25E-02
1	0	7	6	80.74		2169.20	4.6100	0.0620	3.30E 03	1.91E 03	1.18E 03	7.75E 02	5.33E 02	3.80E 02
2	1	32	31	3897.66		2169.32	4.6097	0.0331	1.32E 00	4.75E 00	7.33E 00	8.32E 00	8.23E 00	7.62E 00
6	5		65	18211.34		2169.37	4.6096	0.0303	0.0	2.95E-03	1.41E-01	1.26F 00	4.93E 00	1.22F 01
4	3	34	33	8440.93	ĭ	2169.39	4.6096	0.0321	3.79E-01	1.21E 01	5.56E 01	1.21F 02	1.86E 02	2.36E 02
2	1	15	14	2543.08		2169.65	4.6090	0.0597	4.08E 02	7.69F 02	8.60E 02	8.04E 02	7.00E 02	5.92F 02
5	4	47	46	12390.96		2169.86	4+6086	0.0303	2.22E-03	4.70F-01	5.58E 00	2.15E 01	4.81F 01	7.99E 01
3	2		43	7562.35		2170.05	4.6082	0.0303	1.40E-02	2.91E-01	1.08E 00	2.08F 00	2.92F 00	3.48E 00
3	2		23	5300.14		2170.13	4.6080	0.0457	1.85E 01	1.31E 02	,2.83F 02	3.94E 02	4.46F 02	4.56E 02
6		109		31200.33		2170.22	4.6078	0.0303	0.0	0.0	2.02F-05	1 · 1 6E = 0.3	1.58E-02	9.53E-02
4	3		59	12474.70		2170.27	4.6077	0.0303	2.15E-05	4.73E-03	5.72E-02	2.23F-01	2.05E-01	8.37E-01
. 6	5		66	18446.48		2170.37	4.6075	0.0303	0.0	2.39E-03	1.21E-01	1.12F 00	4.47E 00	1.12E 01
6	0	108 \23	22	30835.03 928.62		2171.23	4.6057 4.6055	0.0303	0.0 3.42E 01	0.0	2.60E-05	1.42E-03	1.87E-02 1.23E 01	1.10E-01 9.32E 00
- 🕏	^ <del>5</del>		- 67	18684.96		2171.33	4.6055	0.0476	0.0	2.95E 01 1.93E-03	2.24E 01	1.66E 01 9.89E-01	4.05E 00	1.03E 01
4	3		60	12684.50		2171.61	4.6049	0.0303	0.0	3.94F-03	5.00E-02	2.01E-01	4.62E-01	7.81E-01
<u>÷</u>	4		47	12562.54		2171.72	4.6046	0.0303	1.77E-03	4.07E-01	5.04E 00	-1.99F 61	"'4.53E 01"	7.61E 01
2	1		32	4013.51		2171.81	4.6045	0.0326	1.16E 00	4.39F 00	6.97E 00	8.04E 00	8.04E 00	7.51E 00
4	з		34	8567.12		2171.62	4.6044	0.0317	3.26F-01	1.10F 01	5.23E 01	1.16F 02	1.81E 02	2.31E 02
3	2	45	44	7719.30	2	2172.06	4.6039	0.0303	1.14F-02	2.566-01	9.90E-01	1.94E 00	2.785 00	3.34F 00
6	5	107	106	30472.55	1	2172.18	4.6037	0.0303	0.0	0.0	3.35E-05	1.74F-03	2.21F-02	1.26E-01
6	5		68	18926.79		2172.24	4.6035	0.0303	0.0	1.55E-03	8.84E-02	8.74E-01	3.66E 00	9.51E 00
1	0		7	107.65		2172.76	4.6024	0.0623	3.63E 03	2.13E 03	1.33E 03	8.74E 02	6.03E 02	4.31F 02
. 2			15	2600.15		2172.88	4.6022	0.0591	4.02E 02	7.78E 02	8.82E 02	8.32F 02	7.28E 02	6.18E 02
4			61	12897.64		2172.90	4.6021	0.0303	0.0	3.27E-03	4.36E-02	1.816-01	4.24E-01	7.28E-01
3_	2		24	5390.41		2172.98	4.6020	0.0437	1.69E 01	1.25F 02	2.77E 02	3.90F 02	4.46E 02	4.58E 02
6			105	30112.89		2173.08	4.6018	0.0303	0.0	0.0	4.30F-05	2.12E-03	2.60E-02	1.455-01
6	5		69	19171.93		2173.11	4.6017	0.0303	0.0	1.25E-03	7.52E-02	7.70E-01	3.30E 00	8.72E 00
5	4		48 70	12737.67		2173.54	4.6008	0.0303	1.41E-03	3.52E-01	4.54E 00	1.84E 01	4.25E 01	7.24F 01
8			104	29756.08		2173.93 2173.93	4.6000	0.0303	0.0	9.97E-04	6.38E-02 5.51E-05	6.775-01 2.595-03	2.98E 00 3.06E-02	7.99E 00
3	2		45	7879.72		2174.02	4.5998	0.0303	9.27E-03	2.25E-01	9.02E-01	1.82F 00	2.63E 00	3.20E 00
·.	3		62	13114.11		2174.16	4.5995	0.0303	0.0	2.70F-03	3.80E-02	1.62F-01	3.89E-01	6.77E-01
			23	1012.90		2174.17	4.5995	0.0457	3.16E 01	2.85F 01	2.20F 01	1.65E 01	1.248 01	9.41E 00
1	0													
	3		- 3 <del>5</del>	8696.97	1	2174.20	4.5994	0.0312	2.78E-01	1.00E 01	4.91E 01	1411- 02	1.75E 02	べっとつた いん
<del>1</del>		36	35 33	8696.97 4132.93		2174.20 2174.27	4.5994 4.5992	0.0312 0.0321	2.78E-01 1.00F 00	1.00E 01 4.04E 00	4.91E 01 6.60E 00	1.11F 02 7.75E 00	1.75E 02 7.84E 00	
	3	36 34		4132.93	2			0.0312				7.75E 00 5.94E-01		2.25E 02 7.38F 00 7.31F 00

"ŸŮ	ŸĹĨIJŰĨĴĹ		CODE	WAVE	WAVE	HALF WIDTH	*****	* INTEGRATE	D ** ABSOR	ฅั่าไอห์ ** cก	FFFICIÉNT .**	****
		STATE			LENGTH		T = 1000	T = 1500	T = 2000	M-1 T = 2500	T = 3000	T = 3500
		ENERGY		CM-1	MICRON	H2	1 = 1000	1 = 1500	1 = 2000	1 = 2500	1 = 3000	1 = 3500
5	4 50 49	12916.32	1	2175.31	4.5970	0.0303	1.11F-03	3.03E-01	4.08E 00	1.70E 01	3.99E 01	6.87F 01
``4`	``3 ``64	13333.88	2	2175.37	4.5969	E0E0.0	0.0	2.22E-03	3.30F-02	1.45F-01	ั3. ัรึก์≓−ดโั‴็	6.29F-01
6	5 73 72	19927.18	1	2175.44	4.5968	0.0303	0.0	6.31F-04	4.56E-02	5.20E-01	2.40E 00	6.68E 00
6	5 103 102	29051.07	1	2175.49	4.5967	E0E0.0	0.0	70.0	8.99F-05	~ 3.91F-03	4.22F-02	2.196-01
3	2 26 25	5484.40	1	2175.80	4.5960	0.0418	1 .54E 01	1.19F 02	2.70E 02	3.85E 02.	4.44E 02	4.60E 02
3	2 47 46	8043.62		2175.95	4,5957	0.0303	7.49E-03	1.97E-01	8.215-01	1.69F 00	2.49F 00	3.07E 00
,2 6	1 17 16	2661.01	1	2176.08	4 • 5954	0.0585	3.92E 0S	7.81F 02	8.99F 02	8.55F 02	7.53F 02	6.425 02
	5 74 73	20185.51		2176.13	4.5953	0.0303	0.0	4.99F-04	3.84E-02	4.556-01	2.15E 00	6.09E 00
6	5 102 101	28702.89	1	2176.19	4.5952	0.0303	0.0	0.0	1.15E-04	4.625-03	4 - 94 E-02	2.51F-01
1	0 7 8	138.40	1	2176.29	4.5950	0.0624	3.92E 03	2.33E 03	1.46E 03	9.69E 02	6.70F 02	4.80E 02
. 4	3 65 64	13556.96	2	2176.54	4.5944	0.0303	0.0	1.82F-03	2.85E-02	1.30F-01	3.25E-01	5.84E-01
4	3 37 36	8830.47	1	2176.55	4.5944	0.0308	2.36F-01	9.08E 00	4.59E 01	1.06E 02	1.59年 02	2.205 02
2	1 35 34	4255.91	2	2176.68	4.5942	0.0317	8.67E-01	3.70E 00	6.23E 00	7·44E 00	7.62F.00	7.24E 00
6	5 75 74	20447.11	1	2176.77	4.5940	0.0303	0.0	3.94F-04	3.238-02	3.975-01	00 386.10	5.54E 00
6.	5 101 100	28357.62		2176 • 84	4.5938	0.0303	0.0		1.45E-04	5.58F-03	5.78F-02	2.87E-01
1	0 25 24	1100.81	2	2176.99	4.5935	0.0437	2.91E 01	2.73F 01	2.16E 01	1.64E 01	1.24E 01	9.48E 00
5	4 51 50	13098.50	_!	2177.05	4.5934	0.0303	8.72E-04	2.60E-01	3.65F 00	1.56E 01	3.74E 01	6.51E 01
6	5 76 75	20711.97	1	2177.36	4.5927	0.0303	0.0	3.09E-04	2.70F-02	3.45F-01	1.72E 00	5.04E 00
	5 100 99	28015.28	~ <del>}</del> ~~~	2177.44	4.5925	0.0303	0.0	Q • G. ,	1.84F-04	6.74F-03	6.758-02	3.27E-01
	4 125 124	35647.34	1	2177.63	4.5921	0.0303	0.0	0.0	0.0	8.69F-05	1.81E-03	1.48F-02
4	_3 66_ 65	13783.34		2177.67	4.5921	0.0303		1.49E-03	2.46E-02	1.16F-01	2.96F-01	5.40E-01
3	2 48 47	8210.98	2	2177.84	4.5917	0.0303	6.02F-03	1.71F-01	7.44E-01	1.57F 00	2.35F 00	2.93F 00
6	5 77 76	20980.08	<u> </u>	2177.91	4.5916	0.0303	0.0	2.42F-04	2.26E-02	3.00E-01	1.53E 00	4.57E 00
6	5 99 98	27675.87	1	2178.00	4.5914	0.0303	0.0	0.0	2.33E-04	8.12E-03	7.87E-02	3.72E-01
6	5 78 77 5 98 97	21251.42	۰۰ میلید ۱۰	2178.41	4.5905	0.0303	0.0	1.89E-04	1.89F-02.	2.60F-01	1.36E 00	4 - 14E 00
		27339.41		2178.50	4.5903	0.0303		0.0	2.94F-04	9.76F-03	9.175-02	4.24E-01
3 5	2 27 26 4 52 51	5582.12		2178.58	4.5901	0.0398	1.39E 01	1.13E 02	2.61F 02	3.79F 02	4.41F 02	4.59F 02
		13284.19		2178.74	4.5898	0.0303	6.81E-04	2.226-01	3.26F 00	1.43F 01	3.49E 01	6.15F 01
4	3 67 66 3 38 37	14013.01	2	2178.76	4.5898	0.0303	0.0	1.21E-03	2.12E-02	1.03F-01	2.700-01	5.00E-01
		8967.61 21525.99	1	2178.86	4.5896	0.0303	2.00F-01	8.19F 00	4.28E 01	1.01E 02	1.63E 02	2.14E 02
,6 ,	~	27005.92	.~ i /	2178.86	4.5896	0.0303	0.0	1.476-04	_1.565-02_	2.25F-01	1.21F 00	3.75E 00
				2178.95	4.5894	0.0303			"3.71F-04"	1.17E-02	1.07E-01	4.81E-01
2.	1 36 35 1 18 17	4382 <u>47</u> 2725 <u>.67</u>		2179.06	4.5891	0.0312	7.44E-01 3.78E 02	3.38E 00	5.86F 00	7-13F 00	7.39F 00	7.08E 00
2	5 80 79	21803.77	1			0.0568			9.10E 02	8.74E 02	7.75E 02	6.63F 02
<u>6</u> .	5 96 95	26675.41	1	2179.27	4.5887	- <u>0.0303</u>	0.0	1.14F-04 0.0	1.30E-02 4.66E-04	1.40E-02	1.24F-01	3.39E 00
5	4 124 123	35234.96	1	2179.30	4.5884	0.0303		0.0	0.0			
6	5 81 80	22084.76	wi	2179.63	4.5879	0.0303	0.0	8.84F-05	1 07E-02	1.10E-04 1.67E-01	7 19E-03	1.74E-02 3.06E 00
3	2 49 48	8381.80	2			0.0303	4.81E-03	1.48E-01	6.725-01		9.43E-01	
·6	5 95 94	26347.89		2179.69	4.5878		0.0	0.0	5.84F-04	1.45F 00	2.21E 00	2.79E 00 6.19F-01
1						0.0303				1.68E-02		
4	0 26 25 0 10 9	1192.36	2	2179.77 2179.78	4.5876	0.0418	2.65E 01 4.15E 03	2.615 01 2.51E 03	2.10F 01	1.62F 01 1.06F 03	1.24E 01	9.51E 00
		14245,95	2		4.5876	0.0624			1.595 03			5.27E 02
6^	. 3 68 67 5 82 81			2179.81	4.5876	0.0303	0.0	9.87E-04 6.81E-05	1.82E-02	9.17E-02 1.44F-01	2.45E-01 79.37E-01	4.61E-01 2.75E 00
6	5 94 93	26023.39	1	2179.95	4.5871	0.0303	0.0	0.0	7.30E-04	2.00F-02	1.665-01	7.00E-01
6	5 83 82	22656.29	1	2180.02	4.5867	0.0303	0.0	5.24E-05	7.29F-03	1.23E-01	7.38E-01	2.48E 00
6	. 5 93, 92	25701.90	1	2180.28	4.5866	0.0303		0.0				
.5		13473.39		2180.39	4.5863	0.0303	0.0 5.29E-04	1.89F-01	9.11E-04 2.90E 00	2.38F-02	1.91E-01 3.25 01	7.91F-01 5.81F 01
6	5 84 83		1							1.315 01		
£,	5 92 91	22946.81 25383.46	- <del>-</del>	2180.44	4.5862	0.0303	0.0	4.01E-05	5.99E-03 1.13F-03	1.05E-01 2.34E-02	6.50E-01 2.21E-01	2.22E 00
					4.5861	0.0303						8.93E-01
6.	5 85 84 5 91 90	25068.06	1	2180.61	4.5859	0.0303	0.0	3.06E-05	4.90E-03	9.015-05	5.71E-01	1.99E 00
6	5 86 85			2180.65		E0E0-0	0.0		1.41E-03	3.36F-02	2.54F-01	1.01E 00
٠.	2 00 82	23537.30	1	2180.74	4.5856	0.0303	·, 0.0	2.33F-05	4.01E-03	7.68F-02	5.01F-01	1.79F 00

Ϋ́	νĹ	່ວົບ	JŁ	LOWER STATE	CODE	WAVE /	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	D ** ABSORF		FFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	5	90	89	24755.73	1	2180.76	4.5856	0.0303	0.0	0.0	1.74F-03	3.99F-02	2.92E-01	1.13E 00
6	5		86	23837.25		2180.81	4.5855	0.0303	0.0	0.0	3.27E-03	6.54F-02	4.39E-01	1.60E 00
4			68	14482.17	2	2180.82	4.5854	0.0303	0.0	7.99E-04	1.56E-02	8.13E-02	2.22F-01	4 .25E-01
6	5 5	89	88	24446.47	1	2180.83	4.5854	0.0303	0.0	0.0	2.15E-03	4.71E-02	3.35E-01	1.27E 00
6		= -	87	24140.31	1	2180.85	4.5854	0.0303	0.0	0.0	2.66E-03	5.56E-02	3-84E-01	1.43F 00
4			38	9108.38		2181.12	4.5848	0.0303	1.67F-01	7.35E 00	3.97E 01	9.56F 01	1.56F 02	2.07E 02
		123		34825.16		2181.18	4.5847	E0E0.0	0.0	0.0	0.0	1.38E-04	2.65E-03	2.056-02
3			27	5683.57		2181.32	4.5844	0.0379	1.25E 01	1.06E 02	2.52E 02	3.71E 02	4.37E 02	4.58F 02
2			36	4512.58		2181.41	4.5842	0.0308	6.35F-01	3.07E 00	5.49E 00	6.81E 00	7.15F 00	6.91F 00
			49	8556.07		2181.50	4.5840	0.0303	3.82E-03	1.28E-01	6.06E-01	1.34E 00	2.08E 00	2.65E 00
4			69	14721.64		2181.78	4.5834	0.0303	0.0	6.44E-04	1.33E-02	7.19E-02	2.01E-01	3.91E-01
5			53	13666.09	1	2181,99	4.5830	0.0303	4.09F-04	1.60E-01	2.58E 00	1.19E 01	3.02E 01	5.48E 01
		19	18	2794.11		2182.36	4.5822	0.0552	3.63E 02	7.71E 02	9.16F 02	8.89F 02	7.93E 02	6.82E 02
i	_		26	1287.55		2182.51	4.5819	0.0398	2.41E 01	2.47E 01	2.04E 01	1.59E 01	1.23E 01	9.52F 00
	3	71 122	70	14964.37		2182.70	4.5815	0.0303	. 0.0	5-18E-04	1.14E-02	_6.345-02.	1.82E-01	3.59E-01
1				34417.95		2182.87	4.5811	E0E0.0	0.0	0.0	0.0	1.73F-04	3.21F-03	2.41E-02
3			50	211.42 8733.79		2183.23	4.5804	0.0625	4.32E 03	2.66E 03	1.70F 03 5.45E-01	1.1.4F 03	7.94E 02	5.72E 02
4			39	9252.79		2183.27 2183.35	4.5803 4.5801	0.0303 0.0303	3.02F-03 1.40E-01	1.11E-01 6.57E 00	3.68F 01	1.24F 00 9.04F 01	1.95E 00 1.50E 02	2.52E 00 2.01E 02
			- <del>5</del> 4-	13862.29		2183.55	4.5797	0.0303	3.14E-04	1.35E-01	2.28E 00	1.09E 01	2.81E 01	5.15E 01
9			71	15210.34		2183.58	4.5796	0.0303	0.0	4.15E-04	9.67F-03	5.59E-02	1.64E-01	3.29E-01
<u></u>			37	4646.24		2183.71	4.5794	0.0303	5.39E-01	2.78E 00	5.13F 00	6.49E 00	6.90E 00	5.73E 00
ä			28	5788.74		2184.02	4.5787	0.0359	1.11E 01	9.95E 01	2.43E 02	3.62E 02	4.31E 02	4.55E 02
			72	15459.54		2184.42	4.5779	0.0303	0.0	3.32E-04	8.20E-03	4.91E-02	1 • 47E-01	3.02E-01
9		121		34013.35		2184.52	4.5777	0.0303	0.0	0.0	0.0	2.17F-04	3.87E-03	2.83E-02
- ···	ž	52	<b>"51</b> "	8914.94		2185.00	4.5767	0.0303	2.386-03	9.48E-02	4.88E-01	1.14E 00	1.83E 00	2.39E 00
5	4	56	55	14061.97	1	2185.07	4.5765	0.0303	2.40F-04	1.14F-01	2.01E 00	9.89E 00	2.60E 01	4.84F 01
i	0	28	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1386.36	2 -	2185.22	4.5762	0.0379	2.17E 01	2.34E 01	1.98F 01	1.56F 01	1.55E 01	9.49E 00
4	3	74	73	15711.97		2185.22	4.5762	0.0303	0.0	2.64E-04	6.94E-03	4.31E-02	1.326-01	2.76E-01
a	2 1	20	19	2866.33	1	2185.44	4.5757	0.0535	3.45F 02	7.58E 02	9.18E 02	8.998 02	8.08E 02	6.98E 02
4	3		40	9400.82		2185.53	4.5755	0.0303	1.16E-01	5.85E 00	3.39F 01	8.52E 01	1.43E 02	1.94E 02
4	3	75	74	15967.60	2	2185.97	4.5746	0.0303	0.0	2.10F-04	5.85E-03	77E-02	1.19F-01	7.52E-01
			38	4783.45		2185.98	4.5746	0.0303	4.55E-01	2,50F 00	4.78E 00	6.16E 00	6.54F 00	6.54E 00
E		120		33611.38		2186.11	4.5743	0.0303	0.0	0.0	0.0	2.72F-04	4.66E-03	3.31E-02
			_56	14265.13		2186.55	4.5734	0.0303	1.83E-04	9.52E-02	1.77E 00	8.96E 00	2.40E 01	4.53E 01
<u>1</u>			11	253.68		2186.64	4.5732	0.0617	4.45E 03	2.80E 03	1.81F 03	1.22F 03	8.51E 02	6.15F 02
4		76	75,	16226.44		2186.68	4.5731	0.0303	0.0	1.66E-04	4.92E-03	3.29E-02	1.06E-01	2.30E-01
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			29	5897.62		2186.68	4.5731	0.0340	9.86E 00	9.29E 01	5.33E 05	3.53E 02	4.24E 02	4.51E 02
3			52	9099.53		2186.69	4.5731	0.0303	1.86E-03	8.106-02	4.36E-01	1.05F 00	1.71F 00	5.56E 00
	-	-	76	16488.47		2187.35	4.5717	0.0303	0.0	1.31E-04	4.13E-03	2.87E-02	9.516-02	2.09E-01
		42	41	33212.05 9552.46		2187.64	4.5711	0.0303	0.0 9.55F-02	0.0	0.0 3.12E 01	3.40E-04 8.01E 01	5.61E-03	3.88E-02
- 7			28	1488.80		2187.89		0.0303	1.94E 01	5.19E 00				
			·~~~~	7753.69		~2187.97 **	4.5706 4.5704	0.0359	0.0	2.20E 01 1.03E-04	1.91E 01 3.46F-03	1.53E 01 2.50E-02	1.20E 01 8.49E-02	9.45E 00 1.90E-01
			57	14471.76		2187.98	4.5704	0.0303	1.38E-04	7.950-02	1.56E 00	9.10E 00	2.225 01	4.24E 01
2			_3°,	4924.21		2188.21	4.5699	0.0303	3.81F-01	2.24F 00	4.44E 00	5.84E 00	6.38E 00	6.34E 00
- 3			53	9287.54		2188.34	4.5697	0.0303	1.45E-03	6.90E-02	3.88E-01	9.57F-01	1.59F 00	2.13E 00
2			20	2942.34		2188.48	4.5694	0.0515	3.25E 02	7.4 E 02	9.14E 02	9 068 02	9.20E 02	7.12E 02
-	3		78	17022.07		2188.55	4.5692	0.0303	0.0	8.04F-05	2.896-03	2.175-02	7.55F-02	1.725-01
				17293.62		2189.09	4.5681	0.0303	0.0	6.28E-05	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ั่าเคียะ=ี02	5.73E-02	1.86E-01
•	-	118		32815.40		2189.13	4.5680	0.0303	0.0	0.0	0.0	4.24E-04	6.74E-03	4.53E-02
5				6010.21		2189.30	4.5677	0.0335	8.68E 00	8.63F 01	- ž.žzF 02	3.42F 02	4.15F 02	4.45E 02
5	5 4			14681.85		2189.37	4.5675	0.0303	1.04E-04	6.62E-02	1.36F 00	7.31E 00	2.04E 01	3.96F 01
	<u>.</u> .								*********	·				

ΰV	-VL		"JĽ	LOWER	CODE	WAVE	WAVE	HALF	*****	** INTEGRAT	ÉD"** ARSORI		EFFICIENT *	****
				STATE		NUMBER	LENGTH	WIDTH			CM*GI			- حيدر وري حصوب
				ENERGY,		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	3	81	80	17568.32	2	2189.58	4.5671	0.0303	0.0	4.88E-05	2.00E-03	1.63F-02	5.97E-02	1.41E-01
4		43	42	9707.73		2189.78	4.5667	0.0303	7.83F-02	4 • 59F 00	2.86E 01	7.51E 01	1.30€ 02	1.90E 02
3	2_	55	54	9478-96		2189.96	4.5663	0.0303	1.12E-03	5.86E-02	3.45F-01	5.74F-01	1.48E 00	2.01E_00
1	o	13	12	299.78		2190.02	4.5662	0.0610	4.52E 03	2.90E 03	1.90E 03	1.29E 03	9.04E 02	6.55E 02
4	3	82	81	17846.16		2190.03	4.5661	0.0303	0.0	3.79F-05	1.66E-03	1.40F-02	5.29E-02	1.28E-01
4	3	101	100	23706.26		2190.15	4.5659	0.0303	0.0	0.0	3.02F-05	5.926-04	3.986-03	1.415-02
- 2	3'\-	41	40	5068.50		2190.40	4-5654	0.0303	3.18E-01	2.01E, 00,	4.11E 00	5.52F 00	6-11E 00	. 6.14E 00 .
		83	82	18127.12		2190.44	4.5653	E0E0.0	0.0	2.93E-05	1.37E-03	1.215-02	4.68E-02	
	0_	30 100	29	1594.85		2190.53	4.5651	0:0340	1.72E_01		1.83E 01	1.49F 01	1.195 01	9.37E 00
. 4			99	23371.00		2190.55	4.5651	0.0303	0.0	0.0	3.80E-05	7.115-04	4.568-03	1.60E-02
=			116 59	32421.43		2190.56	4.5650	0.0303	0.0	0.0 5.49F-02	0.0	5.28E-04	8.08E-03 1.87F 01	5.29F-02 3.69F 01
A	~	60 84	83 83		1 2	2190.72	4.5647	0.0303	7.78E-05 0.0	2.26E-05	1.195 00	6.58F 00		1.04E-01
~~ 4	3	~9 9 ~	98	18411.21 23038.65		2190.80	4.5645	0.0303	0.0	0.0	1.13E-03	1.04F-02	. 4.14F-02 . 5.29E-03	1.82F-02
	3	85	84	18698.40			4.5643 4.5639	0.0303 0.0303	0.0	0.0	4.78E-05	8.52E-04 8.91E-03	3.655-02	9.32E-02
	<u>-</u>	~98	97	22709.22		2191.12	4.5637	0.0303	0.0	0:50	9.33E-04 6.00E-05	1.02E-03	6.14E-03	5.09E-05
7	3	86	85	18988.68		2191.40	4.5633	0.0303	0.0	0.0	7.66E-04	7.63F-03	3.216-02	8.37F-02
	3	97	96	22382.73		2191.48	4.5631	0.0303	0.0	- 5.5	7.528-05	1.22E-03	7.11F-03	2.34E-02
,	ĭ	22	21	3022.13		2191.49	4.5631	0.0303	3.04E 02	7.21E 02	9.05E 02	9.08E 02	8.28E 02	7.24E 02
·~~-\$.	~ , 2~,	-55	55	9673.80		2191.53	4.5630	0.0303	8.62E-04	" 4 • 95F-02"	3.06E-01	7.97E-01	1.37E 00	" นั่วสิจิร์ ก็จ้า
Δ	3	87	86	19282.05		2191.63	4.5628	0.0303	0.0	0.0	6.28E-04	6.52E-03	2.82F-02	7.51E-02
· 🚡 ·	<u>3</u> .	<u>9</u> 6	95	22059.18		2191.70	4.5627	0.0303	- ö. ö	0.0	9.39F-05	1.45E-03	8.22E-03	7.64E-02
Δ	3	88	87	19578.50	2	2191.81	4.5624	0.0303	0.0	0.0	5.13E-04	5.56F-03	2.49F-02	6.73F-02
., , 🚠	·- 3·-	44	43	9866.59		2191.84.	4.5624	0.0303	6.38F-02	4.03E 00	2.62F 01	7.020 01	1.23E 02	1.72E 02
Ā	3	95	94	21738.60	2	2191.87	4.5623	0.0303	0.0	0.0	1.17E-04	1.73E-03	9.49F-03	2.99F-02
- 3.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	32	~ 3ī	6126.50	~ ~~~~	2191.88	4.5623	0.0331	"'17.59E 00"	7.98E 01	2.11E 02	3.31F 02	4.06E 02	4.398 02
5			115	32030.15	î	2191.94	4.5622	0.0303	0.0	0.0	0.0	6.57F-04	9.68E-03	6.17E-02
٠ ۾	<u>3</u>	89	- se	19878.00	- <u>2</u>	2191.96	4.5621	E050.0	70.0	6.0	^14.19F~04	4.73F-03	2.17F-02	6.02E-02
	3	94	93	21420.99	2	2192.00	4.5620	0.0303	0.0	0.0	1.46E-04	2.06E-03	1.09E-02	3.37F-02
· 5	4	61	60	15112.37		2192.02	4.5620	0.0303	5.79E-05	4.53F-02	1.03E 00	5.91F 00	1.725 01	3.44E 01
Ã	3	90	89	20180.55	2	2192.05	4.5619	0.0303	0.0	0.0	3.40E-04	4.02E-03	1.90F-02	5.37F-02
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<del>-</del> -	~~ <u>~~~</u>	~ 92°	21106.37		2192.08	4.5619	0.0303		~~```	1.81E-04	2.44E-03	1.265-02	3.79E-02
à	3	92	91	20794.75	2	2192.11	4.5618	0.0303	0.0	0.0	2.24F-04	2.89F-03	1.455-02	4.27F-02
	<u>-</u>	`9ī.	90	20486.14	1 2	2192.11	4.5618	" EOEO.O"	~^0.0	0.0	2.76E-04	3.41E-03	1.66E-02	4.79F-02
2	1	42	41	5216.33	2	2192.55	4.5609	0.0303	2.64E-01	1.79E 00	3.79F 00	5.20F 00	5.84F 00	5.93F 00
~ 3	2	57	56	9872.04		2193.06	4.5598	0.0303	6.60E-04	4.17E-02	2.70E-01	7.24F-01	1.27F 00	1.78E 00
	0	31	30	1704.53	2	2193.13	4.5597	0.0335	1.52E 01	1.92E 01	1.75E 01	1.45E 01	1.165 01	9.28E 00
<u>1</u> ,	" '# "	175	114	31641.59	1 7	2193.27	4.5594	0.0303	0.0	0.0		8-15F-04	1.155-02	7.19F-02
5	4	62	61	15332.79	1	2193.28	4.5594	0.0303	4.29E-05	3.73E-02	8.98F-01	5.29F 00	1.57E 01	3-19F 01
· 1	~ o	14	13	349.72	1	2193.36	4.5592	0.0604	4.53E 03	ี่ ซึ่งจี๊อล์ ดิริ	1.98F 03	1.35F 03	9.52E 02	`~6`.93F~02
4	3	45	44	10029.06	1	2193.86	4.5582	0.0303	5.175-02	3.53E 00	2.38E 01	6.55E Ot	1.17E 02	1.55E 02
_3		33	_ 32~	6246.50	1	2194.42	4.5570	0.0326	6.59F 00	7.34F 01	2.00F 02	3.19F 02	3.95= 02	4.328 0?
2	1	23	22	3105.69	1	2194.45	4.5570	0.0476	S.82E 02	6.96E 02	8.93F 02	9.06E 02	9.33E 02	7.32F 02
5	4	E9.	62	15556.63	1	2194.49	4.5569	0.0303	3.16F-05	″33.06E-02'	*************************************	4.73E 00	1.44F 01"	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
5	4	114	113	31255,77	1	2194.55	4.5567	0.0303	0.0	0.0	0.0	1.01F-03	1.386-02	8.36F-02
Έੌ	2	` 58°	์ ร่วั	10073.68	2	2194.55	4.5567	0.0303	5.03E-04	่ 3.50೯~ัด≳ั	2.38E-01	6.57F-01	1.18F 000	1.67F 00
2	1	43	42	5367.68	2	2194.67	4.5565	0.0303	2.17F-01	1.58E 00	3.48E 00	4.89E 00	5.578 00	5.71E 00
5	- A	64	~63 <b>~</b>	15783.89°	ĭ	2195.66	4.5544	0.0303	~~2.32€~05	2.50F-02	6.71E-01	4.22F 90	1.31E 01	~2.74F 0î
1	0	32	31	1817.82	2	2195.69	4.5544	0.0331	1.34F 01	1.78E 01	1.67F 01	1.40F 01	1.14E Ot	9.16E 00
5	4	113	112	30872.70	î	2195.78	4.5542	0.0303	0.0	0.0	~~2.27F-05	1.25F-03 '	1.65Ê-Ö2	9.715-02"
4	3	46	45	10195.12	1	2195.84	4.5541	0.0303	4.17E-02	3.08F 00	2.16E 01	6.09E 01	1.11E 02	1.58F 02
Э.	⁻ 2	59	``58¯	Tic278.70	2 2	2196.00	4.5537	0.0303	3.81E-04	7.93E-02	S_03E_o!	5.95F-01	1.09E 00	1.56E 00
1	0	15	14	403.48	1	2196.67	4.5523	0.0597	4.50F 03	3.04F 03	2.04E 03	1.40E 03	9.97E 02	7.28E 02
-								,						

•••	VL	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRATE		PTION ** COE	FFICIENT *	*****
				STATE ENERGY		NUMBER	LENGTH	WIDTH			CM*G		مبير بديد سادي د	
				ENEKGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 350
2	1 4	44	43	5522.55	2	2196.74	4.5522	0.0303	1.78E-01	1.40F 00	3.19E 00	4.58F 00	5.30F 00	5.49E 0
	4	65	64	16014.55	1	2196.79	4.5521	0.0303	0.0	2.04E-02	5.78E-01	3.76E 00	1.195 01	2.54E 0
. <u>3</u>	2	34	33	6370.20		2196.92	4.5518	0.0321	5.69E 00	6.73F 01	1.89E 02	3.07E 02	3.85E 02	4.24F 0
5	4	112	111	30492.39	1	2196.95	4.5518	0.0303	0.0	0.0	2.96E-05	1.54F-03	1.96E-02	1.13E-0
_ 2	1	24	23	3193.03	1	2197.38	4.5509	0.0457	2.60E 02	6.69F 02	8.77E 02	9.01E 02	8.35E 02	7.39F 0
3	2	60	59	10487.10	.2	2197.41	4.5508	0.0303	2.87F-04	2.44E-02	1.83F-01	5.37E-01	1.00E 00	1.46E 0
4	3	47	46	10364.77		2197.77	4.5501	0.0303	3.34E-02	2.68E 00	1.96E 01	5.65F 01	1.04F 02	1.51E 0
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4	66	65	16248.61	i	2197.87	4.5499	0.0303	0.0	1.65E-02	4 96E-01	3.34F 00	1.08E 01	2.34E 0
. 5	. 4	111	110	30114.87	1	2198.08	4.5494	0.0303	0.0	0.0	3.85E-05	1.908-03	2.33E-02	1.316-0
1	Ö	33	32	1934.72	2	2198.21	4.5492	0.0326	1.17F 01	1.64E 01	1.58E 01	1.36E 01	1.11E 01	9.02E 0
2	1	45	44	5680.94	2	2198.78	4.5480	0.0303	1.45E-01	1.23E 00	2.92F 00	4.28E 00	5.03F 00	5.27E 0
~~ 3`	- 2	61	60	10698.87	2	2198.78	. 4.5480	0.0303	2.16E-04	2.03E-02	1.60E-01	4.84F-01	9.20F-01	1.36E 0
5	4	67	66	16486.06	1	2198.90	4.5477	0.0303	0.0	1.34F-02	4.25E-01	2.96E 00	9.81E 00	2.16E 0
5	4	110	109	29740.16	ì	2199.15	4.5472	0.0303	0.0	0.0	5.00E-05	~~2 ~ 34E~05~	2.77E-02	1.51E-C
3	ż	35	34	6497.59		2199.39	4.5467	0.0317	4.89E 00	6.14E 01	1.78F 02	2.94E 02	3.74E 02	4.15E 0
· 4	33.	48	47	10538.00	1	2199.67	4.5461	0.0303	2.66E-02	2.32F 00	1.77E 01	5.23E 01	9.82F 01	1.44E C
5	4,	68	67	16726.89	ì	2199.89	4.5457	0.0303	0.0	1.08E-02	3.63F-01	2.61E 00	8.87E 00	1.98E (
1	ŏ	16	- ī s	461.08	1	2199.93	4.5456	0.0591	4.43E 03	3.08E 03	2.09E 03	1.45 03	1.04E 03	7.60E (
3	2	62	61	10914.00	2	2200.11	4.5452	0.0303	1.61E-04	1.68E-02	1.40F-01	4.35E-01	8.44E-01	1.27E C
Ś	4	109	108	29368.25	1	2200.17	4.5451	0.0303	0.0	0.0	6.48F-05	2.88E-03	3.20F-02	1.75E-0
2	ı	25	24	3284.13	1	2200.27	4.5449	0.0437	2.38F 02	6.40E 02	6.57E 02	8.92F 02	8.35E 02	7.43F (
<u>`</u> ı	0	34	33	2055.22	2	2200.70	4.5440	0.0321	1.01F 01	1.51E 01	1.50F 01	1.31E 01	1.08F 01	8.86E
2	t	46	45	5842-84	2	2200.78	4.5438	0.0303	1.18E-01	1.08F 00	2.66E 00	3.99F 00	4.77E 00	5.058
5	4	69	68	16971.09	1	2200.84	4.5437	0.0303	0.0	8.66E-03	3.09F-01	2.30F 00	8.01E 00	1.82E (
5	4	108	107	28999.19	1	2201.14	4.5431	0.0303	0.0	0.0	8.38F-05	3.53F-03	3.89E-02	2.02E-0
"Ŝ	~~' 2	63°	~62	11132.49	~~~~·	2201.39	4.5426	0.0303	1.20E-04	1.38F-02	1.21E-01	3.40F-01	7.73E-01	1.18E
4	3	49	48	10714.80	1	2201.52	4.5423	0.0303	2.11F-02	2.00E 00	1.59F 01	4.83E 01	9.22F 01	1.36F
5	4	70	69	17218.64	1	2201.74	4.5419	0.0303	0.0	6.93E-03	2.62F-01	8.03E 00	7.22F 00	1.67E
3	2	36	35	6628.66	ī	2201.81	4.5417	0.0312	4.17E 00	5.58E 01	1.67E 02	2.81F 02	3.62E 02	4.05E
· 5	" · 4"	107	106	28632.97	·	2202.06	4.5412	0.0303	0.0	0.0	1.08E-04	4.32E-03	4.60F-02	2.32E-0
4			127	35119.70	1	2202.55	4.5402	0.0303	0.0	0.0	0.0	9.93F-05	1.97E-03	1.55E-C
‴sì	4 4	71	70	17469.54		2202.60	4.5401	0.0303		5.53E-03	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1.78E 00	6.50E 00	1.53E
3	2	64	63	11354.33	2	2202.64	4.5400	0.0303	8.83E-05	1.14E-02	1.05E-01	3.49F-01	7.07E-01	1.09E
~ · 2	<u>î</u>		46	6008.24		2202.74	4.5398	0.0303	9.50F-02	9.41E-01	2.42E 00	3.72E 00	4.51F 00	4.83F
5		106		28269.62		2202.93	4.5394	0.0303	0.0	0.0	1.39E-04	5.28E-03	5.43F-02	2.68E-0
```ž	<u>-</u>	" 26"	25	3379.00		2203.13	4.5390	0.0418	2.16E 02	6.09E 02	8.33E 02	8.80F 02	8.31E 02	7,44F (
1	0	35	34	2179.32		2203.15	4.5390	0.0317	8.74F 00	1.386 01	1.41F 01	1.255 01	1.05E 01	8.69E
~` ı		17	16	522.50		2203.16	4.5389	0.0585	4.31F 03	3.09F 03	2.135 03	1.49F 03 "	"1 "07E 03	7.89€ (
4	3	50	49	10895.17		2203.33	4.5386	0.0303	1.66E-02	1.72E 00	1.43E 01	4.45F 01	8.64E 01	1.29E
· · 5	4	72	^ 7Ī			2203.41	4.5384	0.0303	0.0	E0-304.4	1.89F-01	1.56E 00	5.84E 00	1.40F
5	4	105	104	27909.14	1	2203.75	4.5377	0.0303	0.0	0.0	1.79E-04	6.44F-03	6.40E-02	3.08F-0
<b>"3</b>	2		64	11579.50	· ½ · ·	2203.84	4.5375	0.0303	6.49F-05	9.31E-03	9.09E-02	3.12F-01	6.45E-01	1.01F C
5		73	72	17981.34	1	2204.17	4.5369	0.0303	0.0	3.48E-03	1.59F-01	1.37E 00	5.23E 00	1.27F
S_ 3	‴ 2	` 37	36	6763.42	·	2204.19	4.5368	8050.0	์ ""รี เร็สย "ซิซี"	ารางรัย ังจัก	1.56F 02	~ 2.67E 02	3.49F 02	-3.95E
		127		34695.28	1	2204.48	4.5362	0.0303	0.0	0.0	0.0	1.26F-04		
. <u>4</u>			103	27551.57	î	2204.52	4.5361	0.0303	0.0	0.0	2.29E-04	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2.40E-03 7.53F-02	1.84E-0
2	ì	48	47	6177.14		2204.66	4.5358	0.0303	7.62F-02	8.186-01	2.19E 00		4.25E 00	
- 5	â	74	-	18242.22		2204.89	4.5354	0.0303	7.025-02	2.75F-03'	1.33F-01	3.45E 00		4.61E
3	2	66	65	11808.00	2	2205.01	4.5351	0.0303	4.75F-05	7.60E-03		1.19E 00	4.68F 00	1.16E
ā	Ē	` 51	50	11079.09	· 'i	~2205.10 ···	4.5349	0.0303	1.30E-02	1.47E 00	7.84F-02	2.78E-01	5.88E-01	9.37F-(
5		103		27196.90	1						1.28F 01	4.09E 01	8.08E 01	1.23E (
1	7.	36	35	2307.02		2205.23	4.5347	0.0303	0.0	0.0	2.93F-04	9.54E-03	8.95E-02	4.05F-0
Š						2205.56	4.5340	0.0312	7.49E 00	1.26E 01	1.37E 01	1.20F 01	1.02F 01	B.49F
9	4	<u>. [3</u>	. 74	18506.41	1	2205.57	4.5340	E0E0.0	0.0	2.16E-03	1.12F~01	1.04F_00	4.18E 00	1.06F 0

YU	Ar 10	. JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		FFICIENT *	*****
	· · · · · · · · · · · · · · · · · · ·		ENERGY .		CM-1	MICRON	H2	T = 1000	T = 1500	X = 5000	T = 2500	T = 3000	T = 3500
5			26845.17		2205.90	4.5333	0.0303	0.0	0.0	3.75E-04	1.16E-02	1.04E-01	4-64E-01
2		26	3477.63		2205.94	4.5332	0.0398	1.95E 02	5.76E 02	8.08E 02	8.65E 02	8.25E 02	7.44F 02
	2 67.	66	12039.63		2206.13	4.5328	0.0303	3.46E-05	6.18F-03	6.74E-02	2.47E-01	5.34E-01	8.65F-01
- 5		75	18773.86		2206.19	4.5327	0.0303	0.0	1.70E-03	9.33E-02	9.02E-01	3.73E 00	9.59E 00
4	J. 126		34273.40	1	2206.36	4.5324	0.0303	0.0	0.0	0.0	1.60F-04	2.925-03	2.17E-02
1	0 18	17			2206.36	4.5324	0.0568	4.16E 03	3.08E 03	2.16E 03	1.53F 03	1 10E 03	8.15E 02
5			26496.37		2206.52	4.5320	0.0303	0.0 2.98E 00	0.0 4.54E 01	4.77E-04 1.45E 02	1.40E-02 2.54F 02	1.22E-01 3.36E 02	5.31E-01 3.83E 02
. 3	2 30 1. 49	37 48	6901+85 6349-53		2206.53 2206.54	4.5320 4.5320	0.0303 0.0303	6.07E~02	7.09E-01	1.98E 00	3.19F 00	4.00F 00	4.39E 00
		76	19044.64	• •	2206.78	4.5315	0.0303	0.0	1.33E-03	7.78E-02	7.82F-01	3.32E 00	8.70E 00
4	3 52	51	11266.57	. 1	2206.82	4.5314	0.0303	1.01E-02	1.26E 00	1.14E 01	3.75E 01	7.53E 01	1.16E 02
- 5	4 - 100	99	26150.54		2207.09	4.5309	0.0303	0.0	0.0	6.06E-04	1.70E-02	1.42E-01	6.06E-01
, 3		67	12274.96		2207.21	4.5306	0.0303	2.50E-05	5.01E-03	5.78E-02	2.19E-01	4.85E-01	7.98E-01
5	4 78	77	19318.68		2207.31	4.5304	0.0303	0.0	1.03E-03	6.47E-02	6.77F-01	2.95F 00	7.87F 00
. 5	4 99	98	25807.67		2207.61	4.5298	. 0.0303	0.0	0.0	7.68E-04	2.05E-02	1.66E-01	6.91E-01
5	4 79	78	19595.97		2207.80	4.5294	0.0303	0.0	8.02E-04	5.37E-02	5.85E-01	2.62E 00	7.12E 00
1		36			2207.94	4.5291	0.0308	6.38E 00	1.14E 01	1.25E 01	1.15E 01	9.88E 00	8.29E 00
5	4 95	97	25467.79		2208.08	4.5288	0.0303	0.0	0.0	9.72E-04	2.46E-02	1 • 94E-01	7.88E-01
4	3 125	124	33854.11		2208.18	4.5286	0.0303	0.0	0.0	0.0	2.02E-04	3.55€-03	2.576-02
5	4 80	79	19876-52	1.	2208.24	4.5285	0.0303	0.0	6.21E-04	4.44E-02	5.04E-01	2.32E 00	6.43E 00
. 3	2 69	68	12513.40	2	2208.25	4.5285	0.0303	0.0	4 • 05E-03	4.94E-02	1.94E-01	4.39E-01	7.35E-01
2	1 50	49	6525.41	. 2	2208.38	4.5282	0.0303	4.82E-02	6.12E-01	1.78E 00	2.95E 00	3.76E 00	4.17E 00
5		96	25130.91		2208.50	4.5280	0.0303	0.0	0.0	1.23E-03	2.96E-02	2.25E-01	8.96E-01
4	3 53	52	11457.59		2208.51	4.5279	0.0303	7.85E~03	1.07E 00	1.01E 01	3.42E 01	7.02E 01	1.09E 02
5		80	20160.30		2208.64	4.5277	E0E0•0	0.0	4.79E-04	3.67E-02	4.34E-01	2.05E 00	5.79E 00
2		27	3580.03		. 2208.71	4.5275	0.0379	1.75E 02	5.42E 02	7.79E 02	8.47E 02	8.16F 02	7.41E 02
3		38	7043.96		2208.83	4.5273	0.0303	2.49E 00	4.07E 01	1.34E 02	2.41E 02	3.23E 02	3.72E 02
5		95	24797.05		2208.87	4.5272	0.0303	0.0	0.0	1.54E-03	3.55E-02	2.62E-01	1.02E 00
5		81	20447.30		2208.99	4.5270	0.0303	0.0	3.68E-04 0.0	3.02E-02	3.72E-01 4.26E-02	1.81E 00 3.04E-01	5.21E 00
5	4 95	94	24466.21	1	2209.19	4.5265	0.0303	0.0	3.26E-03	1.94E-03 4.22E-02	1.71E-01	3.97E-01	6.76E-01
		69 82	12755.13		2209.24	4.5264	0.0303	0.0	2.82E-04	2.48E-02	3.19F-01	1.59E 00	4.68E 00
5		93	24138.43		2209.47	4.5260	0.0303 0.0303	0.0	0.0	2.43E-03	5.09F-02	3.52E-01	1.31E 00
		18	656.82		2209.51	4.5259	0.0552	3.99E 03	3.05E 03	2.17E 03	1.55E 03	1.13E 03	8.38E 02
5		83	21030.94	ī.	2209.54	4.5258	E0E0.0	0.0	2.16E-04	2.04E-02	2.725-01	1.40E 00	4.20E 00
5		92	23813.70		2209.69	4.5255	0.0303	0.0	0.0	3.04E-03	6.07E-02	4.07E-01	1.48F 00
5		84	21327.55		2209.75	4.5254	0.0303	0.0	1.64E-04	1.66E-02	2.32E-01	1.83E 00	3.76E 00
- 5		91	23492.04		2209-87	4.5252	0.0303	0.0	2.23E-05	3.79E-03	7.23E-02	4.70E-01	1.67E 00
5		85	21627.34	1	2209.91	4.5251	0.0303	0.0	1.25E-04	1.366-02	1.98E-01	1.08E 00	3.37E 00
4	3 124	123	33437.40	1	2209.95	4.5250	0.0303	0.0	0.0	0.0	2.55E-04	4.31E-03	3.03E-02
5	4 91	90	23173.46	1	2209.99	4.5249	0.0303	0.0	2.99E-05	4.72E-03	8.60E-02	5.42E-01	1.88E 00
5	4 87	86	21930.29	1	2210.02	4.5246	0.0303	0.0	9.42E-05	1.10E-02	1.68E-01	9.41E-01	3.01E 00
5	4 90	89	22857.99	1	2210.07	4.5247	0.0303	0.0	4.00E-05	5.86E-03	1.02E-01	6.24E-01	2-12E 00
- 5		87	22236.39		2210.09	4.5247	0.0303	0.0	7.10E-05	8.96E-03	1.43E-01	8.22E-01	2.68E 00
. 5	4 69	88	22545.62		2210.10	4.5247	0.0303	0.0	5.34E-05	7.25E-03	1.21E-01	7.17E-01	2.39F 00
4		53	11652.14		2210.15	4.5246	0.0303	6.05E-03	9.02E-01	6.99E 00	3.12E 01	6.52E 01	1.03E 02
2		50	6704.76		2210.19	4.5245	0.0303	3.60E-02	5.26E-01	1.60E 00	2.72E 00	3.52E 00	3.96E 00
7		70	13000.15		2210.20	4.5245	0.0303	0.0	2.62E-03	3.59E-02	1.51E-01	3.58E-01	6.20E-01
- 1	0 36	37	2573.18		2210.27	4.5243	-0.0303	5.41E 00	1:03E 01	1.16E 01	1.09E 01	9.53E 00	8.07E 00
3		39	7109.73		2211.09	4.5227	0.0303	2.056 00	3.64E 01	1.24E 02	2.27E 02	3.09E 02 3.23E-01	3.60E 02 5.68E-01
3		71	13248.44		2211-11	4.5226	0.0303	0.0	2.09E-03 5.08E 02	3.05E-02 7.49E 02	1.33E-01 8.27E 02	8.04E 02	7.36E 02
2		28	3686.17		2211.46	4-5219	0.0359	1.558 02	0.0	0.0	3.22E-04	5.22E-03	3.57E-02
4	3 123	224	33023.30	1	2211.66	4.5215	COLORO	. V 1 U	V•V	V+V	J 6 6 6 E T U 4	20-22-02	20216-05

-	VU	٧L	JU	JL	LOWER STATE	CODE	WAVE	WAVE	-HALF	******	** INTEGRATI			EFFICIENT *	*****
-							NUMBER	LENGTH	WIDTH		<del></del>	CM*G			
_					ENERGY		CH-1	MICRON	H2	T = 100,0	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
_	4	3	55	54	11850.23		2211.74	4.5213	0.0303	4.64E-03	7.61E-01	7.95E 00	2.84E 01	6.04E 01	9.67F 01
	2	1	52	51	6887.58		2211.95	4.5209	0.0303	2.98E-02	4.51E-01	1.43E 00	2.50F 00	3.29E 00	3.75E 00
_		2	73	72	13499.99		2211.98	4.5208	E0E0.0	0.0	1.67E-03	2.58F-02	1.17E-01	2.90E-01	5.20E-01
	1	0	39	36	2711.64		2212.57	4.5196	0.0303	4.55E 00	9.29E 00	1.08E 01	1.04E 01	9.17E 00	7.84E 00
_			20	19	729.71	1	2212.63	4.5195	0.0535	3.78E 03	2.99E 03	2.17E 03	1.57E 03	1.15E 03	8.58E 02
	3	2	74	73	13754.80	2	2212.80	4.5192	0.0303	0.0	1.32E-03	2.18E-02	1.02E-01	2.615-01	4.75E-01
	-4-3		56	_55_	12051.84	1	2213.30	4.5181	0.0303	3.54E-03	6.39E-01	7.01E 00	2.58E 01	5.59E 01	9.08E 01
	4	2	41 122	40	7339.16		2213.31	4.5181	0.0303	1.72E 00	3.24E 01	1.15E 02	2.14E 02	2.96E 02	3.47E 02
	- 3	2	75	74	32611.84		2213.32	4.5181	E0E0.0	0.0	0.0	0.0	4.06F-04	6.32E-03	4.20E-02
			53		14012.86		2213.59	4.5175	0.0303	0.0	1.056-03	1.84E-02	8.94E-02	2.34E-01	4.33E-01
	2	<u>1</u>	30	52 29	7073,87		2213.67	4.5174	0.0303	2.33E-02	3.85F-01	1.28E 00	2.29E 00	3.07E 00	3.54E 00
	3	2	76		3796.07		2214.14	4.5164	0.0340	1.37E 02	4.73E 02	7.17E 02	8.04E 02	7.91E 02	7.29E 02
	<del>-</del> 4		57	75 56.	14274.14		2214.33	4.5160	0.0303	0.0	8.27E-04	1.54E-02	7.80E-02	2.09E-01	3.95F-01
	ĭ	0	40	39	12256.95		2214.81	4.5151	0.0303	2.68E-03	5.35E-01	6.16E 00	2.33E 01	5.16E 01	8.50E 01
			121		2853.67 32203.01		2214.83	4.5150	0.0303	3.81E 00	8.33E 00	1.00E 01	9.81E 00	8.80F 00	7.60E 00
	3	2	77	76		1	2214.93	4.5148	0.0303	0+0	0.0	0.0	5+10F-04	7.64E-03	4.94E-02
	2		54	53	14538.66		2215.03	4.5146	0.0303	0.0	6.51E-04	1.29E-02	6.79E-02	1.87E-01	3.59E-01
	3	2	42	41	7263.61	2	2215.36	4.5139	0.0303	1.81E-02	3.27E-01	1.13E 00	2.09F 00	2.86E 00	3.34E 00
N2	3	2	78	77	7492.24		2215.49	4.5137	0.0303	1.41E 00	2.87E 01	1.05E 02	2.01E 02	2.82E 02	3.35F 02
286	1	ō	21	20	14806.39 806.42	1	2215.68	4.5133	0.0303	0.0	5-10E-04	1.08F-02	5.90E-02	1.66E-01	3.26E-01
	4	- 3	58	57	12465.57		2215.70	4.5132	0.0515	3.56E 03	2.93E 03	2.16E 03	1.58E 03	1.17E 03	8.75E 02
	3	2	79	78	15077.32		2216.27	4.5121	0.0303	2.02E-03	4.46E-01	5.40E 00	2.11F 01	4.76E 01	7.95E 01
	4			119	31796.86		2216.30	4.5120	0.0303	0.0	3.99E-04	9-01E-03	5.11E-02	1.48E-01	2.95E-01
	2	1	31	30	3909.71	1	2216.49 2216.80	4.5116	0.0303	0.0	0.0	0.0	6.40E-04	9.238-03	5.79E-02
	3		80	79	15351.45	2	2216.86	4.5110	0.0335	1.21E 02	4.39E 02	6.84E 02	7.80E 02	7.75E 02	7.20E 02
	2	1	55	54	7456.80		2217.00	4.5105	0.0303 0.0303	0.0	3.10E-04	7.49E-03	4.42E-02	1.32E-01	2.67E-01
	1		41	40	2999.27	2	2217.06	4.5105	0.0303	1.39E-02	2.77E-01	1.01E 00	1,91E 00	2.66E 00	3.15E 00
	ã			103	22858.91	2	2217.20	4.5105	0.0303	3+17E 00	7.44E 00	9.28E 00	9.27E 00	8.43F 00	7.35E 00
	3	_ <u>-</u> _	81	80	15628.77	2	2217.39	4.5098	0.0303	0.0	0.0	4.40E-05	7.65E-04	4.68E-03	1.59E-02
	3	2	43	42	7648.97		2217.63	4.5093	0.0303	1.16F 00	2.41E-04	6.22E-03	3.82E-02	1.17E-01	2.42E-01
	4	3	59	58	12677.69	<del>-i</del>	2217.70	4.5093	0.0303	1.52E-03	2.53E 01 3.70E-01	9.65E 01 4.72E 00	1.88E 02	2.68E 02	3.22E 02
	3		103		22511.64	2	2217.71	4.5092	0.0303	0.0			1.90E 01	4.38E 01	7.42E 01
	3	2	82	81	15909.25	2	2217.87	4.5088	0.0303	0.0	0+0 1+87E-04	5.60E-05 5.15E-03	9.26F-04	5.47E-03	1.82E-02
	4		119		31393.38		2217.99	4.5086	0.0303	0.0	0.0	0.0	3.29E-02	1.03E-01	2.18E-01
	3		102		22167.28	2	2218.17	4.5082	0.0303	0.0	0.0	7.11E-05	8.02E-04 1.12E-03	1.11E-02 6.40E-03	6.79E-02
	3	2	E8	82	16192.90	2	2218.31	4.5079	0.0303	0.0	1.44E-04	4.25E-03	2.83E-02		2.07E-02
	3		101		21825.82		2218.59	4.5074	0.0303	0+0	0.0	9.00E-05	1.35E-03	9.13E-02 7.46E-03	1.97E-01
	2	1	56	55	7653.44		2218.60	4.5073	0.0303	1.07E-02	2.34E-01	8.91E-01	1:74E 00		2.36E-02
	3	2	84	83	16479.69		2218.71	4.5071	0.0303	0.0	1.11E-04	3.50E-03	2.43E-02	2.47E 00 8.05E-02	2.96E 00 1.77E-01
	1	0	22	21	886.95	1	2218.75	4.5070	0.0496	3.33E 03	2.84E 03	2.14E 03	1.58E 03	1.18E 03	8.89E 02
	3	2	100	99	21487.30		2218.96	4.5066	0.0303	0.0	0.0	1 • 14E-04	1.62E-03	8.69F-03	2.69E-02
	3	2	85	84	16769.63	2	2219.06	4.5064	0.0303	0.0	8.48E-05	2.88E-03	2.08F-02	7.10E-02	1.59E-01
	4	3	60	59	12893.29	1	2219.08	4.5064	0.0303	1.13E-03	3.06E-01	4.11E 00	1.71E 01	4.02E 01	6.91E 01
	1	0	42	41	3148.44	2	2219.24	4.5060	0.0303	2.63E 00	6.61E 00	8.55E 00	8.73E 00	8.05E 00	7.09E 00
	3	2	99	98	21151.72		2219.28	4.5060	0.0303	0.0	0.0	1.43E-04	1.95E-03	1.01E-02	3.06E-02
	3	2	86	85	17062.69		2219.36	4.5058	0.0303	0.0	6.48E-05	2.36F-03	1.78E-02	6.24E-02	1.43E-01
	2	ī	32	31	4027.09	1	2219.42	4.5057	0.0331	1.05E 02	4.06E 02	6.50E 02	7.54E 02	7.58E 02	7.10E 02
	. 4	Э	118	117	30992.61	1	2219.45	4.5056	0.0303	0.0	0.0	0.0	1.005-03	1.34E-02	7.95E-02
	3	~~~	98	97	20819.09	2	2219.56	4.5054	0.0303	0.0	0.0	1.80E-04	2.34F-03	1.17E-02	3.47E-02
	3	2	87	86	17358.87		2219.63	4.5053	0.0303	0.0	4.93E-05	1.93E-03	1.52E-02	5.48E-02	1.28E-01
	3	2	44	43	7809.34	1	2219.72	4.5051	0.0303	9.40E-01	2.22E 01	8. BIE 01	1.76E 02	2.54E 02	3.09E 02
	3	2	97	96	20489.43		2219.79	4.5049	020303	0.0	0.0	2.26E-04	2.80E-03	1.36E-02	3.94E-02
-						<del></del>					<u> </u>	2.205-04	E = 00E-03		30746-02

							AND COLORED IN	CA	RBON MONOXI	OC					
٧	/U	Vi_	JU	JĻ	LOWER	CODE	WÁVÉ	WAVC	HALF WIDTH	*****	** INTEGRATE	ርን ቁቱ ለ <b>ዞ</b> ዳርብ ርሃቀና	PT[ON ** ÇÖE M=1	FETCIFAT *	****
					STATE Energy		NUMBER CM-1	LENGŤH MICRON	H2 H2	T = 1000	T = 1500		T - 2500	ተ = ካላሶስ	T = 7500
						•9/									
	3	2	88	87	17658-15	2	2219.84	4.5048	EQF0.0	0.0	3.75F=05	I.576-n3	1.09=-02		1.10°-0
	3	2	96	95	20162.76	2	2219.98	4.5045	0.0303	0.0	n,∎n	5.83E-00	3.34E-07	1.505-02	Λ.Λε=-↑2 
	3	2	89	88	17960.53	2	2220.02	4.5045	0.0303	0.0	2.94E-05	1.5ak-U3	1.105-02	4.205-02	1,025-01
	j	ź	95	94	19839.07	2	2220:12	4.5043	0.0303	0.0	O • Ó	3.545=04	3-365-03	1.92F-02	5.04F=02
	3	2	90	69	18265.49	2	2220.15	4.5042	0.0303	0.0	2. 4F-05	1.046-03	7,727-77	3.67E-02	7.117-02
	2	1	57	56	7853.51	2	2220.17	4.5042	0.0303	9.[AT-03	[,075-0]	7.86F-01	1.500 00	5 <b>,</b> ኃግር ባበ	2.795 00
	3	2	94	93	19518+39	2	2220.71	4.5041	F0E0.0	0.0	0.0	4.415-00	4.749-07	2.17F=02	4.444-70
	3	2	91	90	18674.62	2	2220.23	4.5040	0.0303	0 • 0	0.0	8-42F-04	7.075-07	7.70F-02	4.12F-02
	3	2	92	91	18886-10	2	2220.27	4.5040	60£0•0	0.0	0.0	A. BOE-04	6.684-07	2.700-02	7,22-72
	3	2	93	92	19200.73	2	2220.27	4.5040	0.0303	0.0	0.0	4.48F-04	9./35-09	2 4 7 F - 0 2	5.41E-N2
	Ą	3	61	60	13112,37	1	2220.41	4.5037	0.0303	8.015-04	2.53[-0]	3.37F 00	1.635 01	3.6MC 01	6.43E ^1
	4		117	1000000	30594,55	1	2220 + H5	445084	0.0005	veů	C = W	2.557.05	1.77 97	1.77. 1	M. 1997-11
	i	Ď	43	42	3301.17	1000	2221.39	4.5017	0.0303	2.165 00	5.85E 00 ·	7.85F 00	d*lår VV	7.47E 00	<b>ለ.</b> ቋንም በ
	Ż	i	58	57	8057.01		2221-69	4.5011	0.0307	6.277-03	1.666-01	6.92F 01	1.475 00	3.112 00	2,617
	4	3	62	61	13334.93		2221,71	4.5010	0.0303	6,218-94	2.0AF-01	3.10F 00	1.775 01	3.375 01	5.976
	1	Ö	23	28	971.28		2221.75	4.5010	0.0476	3.09F 03	2.70= 03	E0 111.8	.5PF 07	1.195 03	0.00F
	3	2	45	44	7973.35		2221.77	4.5009	0.0307	7.605-01	1,945 01	P=02F 51	1.545 07	5.41. 0.5	9,940
	2	Ţ	33	32	4148.21	i	2221.99	4.5005	0.0326	9.15F OI	3,735 02	6.188 08	1 * A W WA	* * * 11° 06'	4.56
	<b>4</b>	7	116		30199.23		2222.20	4.5000	0.0303	0.0	6.0	7.115-05	1 4 4 51 0 2	1 4:3 101	1,00
•	Ā	3	63	62	13560.93		2222.95	4.4985	0.0303	4.566-04	1.705-01	<u>7</u> .89F 00	1.225 01	3.075 01	5.5
	Ž	1	59	58	8263.93		2223-17	4.4981	0.0303	4.705-03	1.785-01	6.075-01	1.295 99	1.455 00	· , <del> </del>
		200	115		24800.00		2225.49	44974	0.0105	9.0	0.0	A AOE-OR	1 005-03	2.715-02	1,
	4	Ó	44	EA	3457.45		2223,50	4.4974	0.0307	1,77F 00	5,14F 00	7.200 00	7, F PF 00	7.30F 00	A
	1	107	46	45	8140.98		2223,79	4.4968	0.0.10.1	5.111-01	1.071 111	FAFTE NI	11 " " " " " " " " " " " " " " " " " "		551- (15
	3	2 3	00000000	40 63	13790.39		2274.16	4.4961	0.0303	J.37F=04	[ • 4º#-01	74 *15 W	1:1345 111	s.ev- vi	- 135 01
	4	<i>5</i> 1	54 34	33	4273.06		2224.53	4.4953	0.0381	7.87F 01	3,42F 02	6.81F 02	6.00E 02	7, [27 07	
	2	1	50	59	8474.25		2224.61	4.4952	0.0303	3.53F-07	1.148-01	4,415-01	1.175 00	1.79F 00	
	2	0	24	23	1059.42		2224.71	4.4550	0.0457	2.045 93	2.645 97	7.07= 07	1.575 03	1,10= 03	
	1		114		29416.86		2224.74	4.4949	0.0303	0.0	0.0	무, ㅋㅋ= - 0 루	2.415-03	2.757-02	
	4	3	65	64	14023.30		2225.32	4.4937	0.0303	2.425-04	1.13F=01	I.PAF ON	9,705 00	2.545 01	
	4	- 8	S. and	04 44	3617.26		2275.57	414932	0.0303	1.41F 00	ត្⊴កក្កេញប្	6.571 ou	12175 116	6.978 AQ	7. 7. T.
	1	Û	45 45	46	8312.24		2225.76	4.4928	0.0303	4,89F-01	1.476 01	6.58F 01	1.415 08	2.145 9	
	3	Ż	47				2225.93	1,4985	0.0303	0.0	n_n	7 - 115E 115	venn -uš	3.50F-7	1,771; 7)
	4	0	115		29029.04	2	2226.01	4.4923	0.0303	2.645-03	0.495-02	4.645-01	1.045 03	1.655	
	2	ī	61	60 se	8687.99			4.4915	0.0303	1.756-04	9,135-02	1.70F 00	9.60F 00	2.31F	
	4	3	66 75	55 24	14259.63		2226.43 2227.03	4.4913	0.0303	5.70E 01	3,11F 02	5.466 02	6.695 07	6,97F	
	2	1	35	45	4401.64				n•n≌n <u>n</u> n•naii	o.o	6.0	7.725 75	1.40-53	হ_5∧ <mark>4≖79</mark>	,005=0)
	4			111	SHOULD SH		2427107 2027.26	4.4VVZ 4.4898	0.0303	0.0	0.0	v.	1.055-04	1.75	
	3			130			2227.26 2227.37	4 • 4 0 4 c	0.0303	1.976-03	7.84E=02	4.036-01	9.495-01	1.5/	a sample property the second
	2	Ţ	88		8905,12			1.4693	0.0303	1.76F-04	1.4/1-97	1.41)- (11)	1.416 65	÷ .	A 0.11- 0.1
	4	3		66 * =	14499.39		2227.50	4.4891	0.0303	1.16F 00	3.97F 00	5.9°F 00	5,48F ሳዕ	÷./	
	1	0	46	45	3780.65		2227.50	444071	010100	24507 0	r.fo# 23	2.025 03	1.555 03	1	
	1	0	25	24	1131.37		2227.04		C0E010	3.09F=01	1.27F 01	5.93E 01	1.71- 02	2	
	3	2	48	47	8487.11		2227.69	4,4R90		0.0	V.0	1.8001	4.555=05	435 AD	2,215-01
	4		111		28264.23		2220.16	4.4550 4.4550	0.0303 0.0303	9.02E-05	4,92F-02	1.24F 00	4.77F 30		
	4	3		67	14742.56		2228.53	4.4873		1.46F-03	6.450-02	3.5nF-01	9.155-01		
	2	1		52	9125-64		2228.69	4.4869	0.0303 FACO.0			1.57E-04	5.675-07		
	4		110		27885.68		2229.20	4.4859	0.0303	0.0	0.0	0.0	1.745-04		
	3	2		129	34175.80		2229.32	4.4857	0.0804	0.0	0.0		6.335 02		
	Ż	1	36	35	4533.94		2229+48	4.4854	0.0312	5.75C 01	2.03F 02	5.11° 02	sings on		
	4	3	69	68	14989.13	1	2227.51	4.4853	0.0303	6.424-05	4.75F-02	1.05C 00			
	3	2	49	48	8665.59	1	2229.67	4.4852	0.0303	3.076-01	1.09F 01	5.335 01	1.714.07		
	1	0	47	46	3947.55	2	2227,59	4.4AŠĪ. '	E0E0.0.	9.375-01	ጓ₊44೯ 00	5.43F 00	5,21F D		
	2	1	54	63	9349.53	2	2229.97	4.4844	0.0303	1.075-03	4.50E-05	3 - 17 5117 1	/ g 19 mm /		

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VΨ	٧L	- <b>1</b> 0	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE	HALF	******	* INTEGRAT	ED ** ABSOR		FFICIENT *	*****
			-	ENERGY		CM-1	LENGTH MICRON	WIDTH			, CM*GI		···	
				LITEROT		CH-I	MICKON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 350
		109		27509.97		2230.19	4.4839	0.0303	0.0	0.0	2.048-04	6.93E-03	6.63E-02.	3.10E-0
4	1.0		69	15239.10	1	2230.44	4.4834	0.0303	4.55E-05	3.79E-02	8.94E-01	5.21F 00	1.53E 01	3.10E 0
			25	1247.11	_ 1	2230.52	4.4833	0.0418	2.36F 03	2.39F 03	I.97E 03	1.538 03	1.18F 03	9.13F 0
4		108	107	27137.13		2231.12	4.4821	E0E0.0	0.0	0.0	2.64F-04	8.51F-03	7.86E-02	3.59E-0
			64	9576.80		2231.21	4.4819	0.0303	7.87E-04	4.33F-02	2.62E-01	6.74E-01	1.15F 00	1.58F 0
3		129	128	33744.82		2231.32	4.4817	0.0303	0.0	0.0	0.0	1.71E-04	2.98E-03	2.145-0
4.		71	70	15492.44		2231.33	4.4816	0.0303	3.21E-05	3.02F-02	7.56F-01	4.57E 00	1.38E 01	2.83F 0
3	2		49	8847.68		2231.42	4.4815	0.0303	2.41F-01	9.39E 00	4.78E 01	1.11E 02	1.77E 02	2.31F 0
$-\frac{1}{2}$		, 48	47	4117.99		2231.54	4.4812	0.0303	7.50F-01	3.01E 00	4.91F 00	5.76E 00	5.84E 00	5.50E 0
	1		36	4669.95		2231.90	4.4805	0.0308	4.87E 01	2.55F 02	4.77E 02		6.50E 02	6.36E 0
4		107		26767.18	1	2232.01	4.4803	0.0303	. 0.0	0.0	3.41E-04	1.04F-02	9.30E-0S	4.14E-0
2			71	15749.16		2232.18	4.4799	0.0303	2.25E-05	2.39E-02	6.38E-01	4.00E 00 '	1.24E 01	2.59F 0
<del></del> -		106	65	9807.43		2232.40	4.4795	0.0303	5.74E-04	3.525-02	2-25E-01	5.9901	1.05F 00	1.46F 0
7	3		105	26400.13		2232.85	4.4786	0.0303	0.0	0.0	4.41F-04	1.28F-02	1 - 10E-01	4.77E-0
3-			72 50	16009.24	1	2232.98	4.4783	0.0303	0.0	1.89F-02	5.37E-01	3.49E 00	1 - 1 1E 01	2.36F 0
3		128		9033.35	1	2233.22	4.4778	0.0303	1.89E-01	8.02E 00	4.27E 01	1.02E 02	1.66E 02	2.19F 0
<del></del>			26	1346.66	-	2233.27	4.4777	0.0303	0.0	0.0	0.0	2.185-04	3.54E-03	2.54F-0
î	Č		48	4291.95		2233.37	4.4775	0.0398	2.12F 03	2.265 03	1.91E 03	1.50€ 03	1.17E 03	9.12F 0
- 2			66	10041.41	2	2233.46	4.4774	0.0303	5.96F-01	2.60E 00	4.43E 00	5.33E 00	5.49F 00	5.238 0
4	3			26035.98	1	2233.63		0.0303	4.16E-04	2.86F-02	1.93E-01	5.32F-01		1.35E C
	<u>3</u>		<del>- 73</del> -	16272.68		2233.73	4.4770	0.0303	0 <u>.0</u>	0.0	5.68E-04	1.565-02	1.30E-01	5.49E-0
2	1		37	4809.68	i	2234.27	4.4757	0.0303		1.49F-02	4.50F-01	3.04E 00	9.90E 00	2.15E 0
		104	103	25674.78	<del></del>	2234.37	4.4755	0.0303	4.09F 01	2.300 02	4.44E 02	5.775 02	6.255 02	6.18F 0
4	3		74	16539.45	ī	2234.44	4 • 4 754	0.0303	0.0		7.30E-04	1.01E-02	1.53E-01	6.32F-0
2	ī		67	10278.73	_ <u></u> _	2234.67	4.4749	0.0303	3.01E-04	1.17E-02 2.31E-02	3.77F-01	2.655 00	8.945 00	1 95F 0
3	2		51	9222.61	ī	2234.98	4.4743	0.0303	1.476-01	6.83E 00	1.66E-01 3.80F 01	4.72F-01	8-63E-01	1 24F 0
4	3		102	25316.52	<u> </u>	2235.05	4.4742	0.0303	0.0	0.0	9.36E-04	9.32E 01	1.54F 02	2.06E 0
4	3	76	75	16809.55	1	2235.10	4.4741	0.0303	0.0	9.150-03	3.15F-01	2.305 00	1.805-01	7.25F-0
3	2	127	126	32884.54	<del>- 1</del>	2235.17	4.4739	0.0303	o	70.0	0.0	~2.78F-04	7.87E 00	1.77F ( 3.01F-0
1	0	50	49	4469.43	2	2235.33	4.4736	0.0303	4.72F-01	2.24F 00	3.98E 00	4.92F 00	5.155.00	
4	3	102	101	24961.22	1	2235.69	4.4729	0.0303	~~~o. o~~~~	5.67	1 20E-03	2.435-05	2.12E-01	4.97E 0
4	3		76	17082.96	1	2235.71	4.4729	0.0303	0.0	7.14F-03	2.62E-01	1.99F 00	7.00E 00	1.600 0
2	···· î	69	68	10519.39	2	2235.74	4.4728	0.0303	2.16F-04	1.876-02	1.42E-01	4 • 1 7F - 01	7.31F-01	1.14E 0
1	0		27	1449.99	1	2236.18	4.4719	0.0379	1.90F 03	2.13F 03	1.84E 03	1.47F 03	1.16E 03	9.08E 0
4	Ė	101	100	24608-89	1	2236.27	4.4717	0.0303	0.0	0.0	า เรร∓ย์−ด้ว	3.43E-02	2.49E-01	0.53F-0
4	3		77	17359.69	1	2236.28	4.4717	0.0303	0.0	5.55E-03	2.17E-01	1.72F 00	6.21F 00	1.456 0
2	1		38	4953.12	1	2236.61	4.4711	0.0303	3.42É 01	2.06E 02	4.12F 02	5.46F 02	5.00E 02	``\$.99E``
3_	2		52	9415.45	1	2236.70	4.4709	0.0303	1.13F-01	5.79E 00	3.38F 01	9.51F 01	1.44E 02	1.95F 0
2	1		69	10763.38	2	2236.76	4 4 7 0 8	0.0303	1.54E-04	1.508-02	1.215-01	3.695-01	7.055-01	1.05F 0
4	3		78	17639.71	1	2236.81	4.4707	0.0303	0.0	4.30F-03	1.80F-01	1.48E 00	5.505 00	1.315 0
4		100	99	24259.57	1	2236.81	4.4707	0.0303	0.0	~ 0.0°	1.95F-03	4.155-02	2.91E-01	1.000
3		126		32458.27	1	2237.01	4.4703	0.0303	0.0	0.0	0.0	3.53E-04	5.42F-03	3.56F-0
1	0		50	4650.41	2 2	2237.17	4 • 4 6 9 9	0.0303	3.71F-01	1.92E 00	3.57F 00	4.53F 00 .	4.925 00	4 715 ሳ
4.	3		79	17923.02	1	2237.28	4.4697	_0.0303	0.0	3.32F-03	1.49F-01	1.285 00	4.855 00	1 186 0
4	-	99	98	23913.24	î "	2237.29	4.4697	0.0303	o.o	0.0	2.476-03	5.025-02	3.40E-01	1.245
, , <del>4</del>	3		80	18209.59	1	2237.71	4.4689	0.0303	0.0	2.556-03	1.236-01	1.10= 00	4.29F 00	1.06F 0
. 4	3		97	23569.94	1	2237.73	4.4688	0.0303	0.0	0.0	3.146-03	6.065-12	3.97E-01	1.42F 0
-2	1	71	70	11010.69	. 2	2237+75	4.4688	0.0303	1-10F-04	1.20F-02	1.02F-01	7.245-01	5 • 36F-01	0.51F-0
4	3		81	18499.43	i	2238.09	4.4681	0.0303	0.0	1.96F-03	1+01F-01	9.70F-01	3.78F 00	ባ.ማለር በ
4	3		96	23229.68	_ 1	2238 11	4.4681	0.0303	0.0	2.475-05	3.97F-03	7.29F-02	4.575-01	1.625 0
3	2		53	9611.86		2238.37	4.4675	0.0303	8.71F-02	4.89F 00	2.99E 01	7.76F 01	1.335 02	1.975 0
	3	83	82	18792.51	į.	2238.43	4.4674	0.0303	0.0	1.50F-03	8.27F-02	8.035-01	3.33F 00	8.595 0

<u></u>	٧L	JU	"JL	LOWER	ÇODĒ	WAVE	WAVE	HALF	******	# INTEGRATI	D ** ABSOR	PTION ** COI	PPICIENT #	******
				STATE		NUMBER	LENGTH	₩ţDĭH				T = 2500	T = 3000	T = 3500
				ENERGY		CM-I	MICRON	H2	T = 1000	T = 1500	т = 2000			2000
	 3	96	95	22892.46	1	2238.45	4.4674	0.0303	0.0	3.39E-05	5.00E-03	8.77E-02	5.39E-01	1.84E 00
<u>-</u> <u>2</u>	<u> </u>	<u>-</u>	71	11261730		2238.69	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~0 <u>~03</u> 03	7.77E-05	9.58E-03	8.68E-02	2.85E-01	5.72E-01	8.80E-01
4	3	84	83	19088.83		2238.72	4.4668	0.0303	0.0	1.146-03	6.76E=02	6.85E-01	2.92E 00_	7.69E 00
A			94	22558.31	. <u>1</u>	1 2238.74 T	4-4568	ĒOEO.	0.0	<b>△.</b> 62E-05	6.30E=03	1.05E-01	6,26E-01	2.09E 00
3	1000	125	3.70	32034.61	i	2238.80	4.4567	0.0303	0.0	0.0	0.0	4.47E-04	6.60E-03	4.22E-02
2	T	40		5100.25	-1	2238.90	4.4665	0.0303	2.84E 01	1.83E 02	3+80E 02	5.15E 02	5.74E 02	5. <b>79</b> E 02
•	- A	22	20	1567.12		20.9500	A.AAAA	0.0359	1.69E 03	1.99E 03	1.77E 03	1.44E 03	1.148 03	9+02E <u>02</u>
- <u></u> -	j	-86	- a4	719388.37	7	<u> </u>	4.4664	0.0303	0.0	8.65E-04	5 <b>,</b> 52E-02	5.84E-01	2.56E 00	6+886 00
1	0	52	61	4834.91	2	2238,96	<b>4.4664</b>	0.0303	2.91E-01	1.65E 00	3.19E 00	4.16E 00	4.51E 00	4,46E 00
· - · Ā		94	93	722227.24	1	2238-98	4.4663	~ 0.0303 ~~	0.0	6.28E-05	7.91E-03	1.26E-01	7.26E-01	2.37E 00
Δ	3	96	AH	14041-13	1	ZZ39+17	444000	010303	V T V	DILLE UT.	7-77-74	77.7722777		
4	3	93	92	21899.26	7	2239.17	4.4659	0.0303	0.0	A*21F.A2	A*A1E=02	1.015_01	0+415-01	
*	3	87	95	<u> 1 0007 . NU</u>		2230.30	4_4/n7	0.0303	0.0	4,946-04	4.005=02	4-315-01	1.400 00	3 435
*** Å	, 	" `92	91	21574.38	ì	2239.31	4.4657	0.0303	0.0	1.15E-04	1.24E+02	1.80E-01	9.786-01	3.03E
i.	3	22	27	20106.23		04-0506	A.A.49	0-0303	0.0	3.71E-04	2.95E-02	3.57E-01	1,71E 00	4 • A 9 E
- 4	ā	91	, 40,	21202,00	1	5524 jui -		6.0363		1.555-04	1.555-00	2.1AF=01	1.12F 00	3.426
4	3	99	22	20618.54	2	2239:45	4.4654	V=U0U0	V + V	_ 2 2 1 70	_ <u> </u>			
4	3	90	89	20934±01	1	2239+48	444654	0.0303	0.0	P.089=04	1.928-02	*** <u>2.5%E-01</u>	1.295 00	3.85
2	1	73	72	11515.21	2	2230 - AN	4.4651	0.0303	5.47F-V#	7.025-93			5.115 01	
м 3	2	55	54	9811-04	1	2240.00	4-4093	0.50.00	0400E W				V (M)	2E 02
<u>0</u> -		7.0	73	11770.40	9	2240.45	4.4634	0.0303	3.83E-05	6.04F-03	6.19E=02	2,185-01	4.616-01 6 AZC_AZ	
3	2	124	123	31614.57	1	2240.53	4-4036	0:0202	Vev	0.0	0.0	5.555-01	1400 HILLS II II II	- POIL-UE
<u> </u>	0	53	를호	5022.89	2	2240.72	4.A629	0.0303	2.246-01	1.405 00	2.85F 00	3.91F 00	4.216 00	F-191 02
2	1	41	40	5251.08	1	2241.16	4.4620	0.0303	Zajni Vi	1.656 95	3.505 05	4.050 00	1.000 00 1.000 00	3+872 V 4
2		75	7:	12033.47	2	2041.27	4.461R	0.0303	2.67E=05	4.776-03	5.20E-02	1.91E-01	4.136-01	
3	` 2	56	55	10015,37	1	2241.59	4.4611	ŏ16303	5.07F=02	3,45E 00	2.33E 01	6.39F 01	1,145 02	
1	û	30	29	1668:03		2241.6A	4.4609	0.0340	1.49F 03	1.85F 03	1.69F 03	1.40F 03	1.125 03	
2	1	76	75	12296.62	. 2	2242.04	4.4602	0.0303	0 + 0	3.76E-03	4.36E-08	1.665-01	7.69E=01	
3	2	123	122	31105.1A	1	2247.22	4.4599	0.0303	0.0	0.0	0.0	7.165-04 3.495 00	9.75E-03 3.91F 00	
1	Ó	54	53	5214.37	2	2242,43	4.4594	0.0303	1.75f-01	1.19F 00	7.53F 00		u <u>es ses</u>	
3	1	77	76	12563.62	2	2242.77	4.4588	0.0303	0.0	7.4": H-0.1	<u>.</u>	1-40F-UL	1 455 0	* 0.0 <b>*</b> 00
3	2	57	bb	10555+40	1	2243+13	444001	010101	1/4 NAM 52				13	5.38F 02
2	1	42	41	5405.60	1	2243.37	4.4576	0.0303	1.4456 411	1 + 4 4 1 4 4	3 ACC AC	1 000 01	à nad	
2	1	78	77	12833.86	2	2247.46	4 • 4 5 / 4	0 + 0 -20-4	U•V	z.51E-03	J.05E-07	1.775 01		
3	2	122	121	30779.46	i	2243.04	4.4566	0.0303	0.0	0.0	0.0 5.626 <b>-</b> 05	0.03F=04 "H.OH -UA	1.18F	1 505-00
2	ï	107	105	22032.61	Z	2244.08	4.4562	0.0308	0-0	0.0		3.17F 00	3.69	
1	Ô	55	54	5409.33	2	2244+11	4.4561	0.0303	1.35F-01 _.	1.01F 00	00 345.5 6.7	1.09ni	2.67	
2	I	74	78	1310/•35	2	2244+11	0.4561	0.0000	0.0			1.35F 03		
1	Ó	Эi	30	1702.72		2244-37	4.4556	0.0337	1.316 03	1.72F 03	1.61E 03 1.79E 01	5.22F 01	q	
3	2	- 68	<del>5</del> 7	10433.05	1	2244.63	4.4551	0.0303	2.89f-02	2.40F 00 2.2	7.215-05	, nee-03	- 1	
2		100	LUĐ			2244.10	4 • 4 5 4 5	0.0507	0.0	1.40E-03	2.11F=02	ā.3P⊆—02	9	14/12 05
2	. 1	80	79	13384.06	1980	2244.71	4.4549	0.0303	0.0			0.0005	7056-01	3.7415-01
2				13663.99		2245.26	a _t a ħ.AH	0.0303	Ũ•Ũ ○ □	1.000-0.1 0.0	1./4L 0/ 9.23F-05	1.29=-07	<i>}</i>	
2		105		21316.81		2245.27	4.4538	0.0303	0.0	20 10/01/04	2.21F-05	1.145=03		
3		121				2245.42	4.4575	0.0303	0.0	0.0 1.27E 02	Z.94E 02	4.96E 02		
2				5563.80		2245.54	4.4533	0.0303 0.0303	1.50F 01	1,27F 02 8.48E-01	2.946 VA 1.98F 00	7.48C 00		
1				5607.77		<u>2245.74</u>	4.4529	0.0303	1.03F=01		1.44E-02	6.96F-02		
3						2245.78	4.4529	0.0303	0.0	8.75F-04 0.0	1.18E-04	1.566-03		
2	2.50	104				2245.80	4.4520	0.0309	0.0	0.0 -:	1.175	1 - WH A	5.416.01	افتحال مح
3						2240.47	444464	0.0000	0.00	6.43[=04	1.19F=02	9,985-0	,,,,,	T M
2						2246.25	4.4519	0.0303	0.0	n.n	1.171-02	1.545 =		
ž		103				2240.27	4.4510	0.0302 0.0307	0,0 0.0	*•03C 04	9.775 93	5.125-	732	
2	1	84	83	14522+95	2	2246.67	4 - # D I V	ninan.	U • II		g			

VU	VL	JU	JL	LOWER STATE	CUDE	MAVE WAVE	WAVE LENGTH	HVTL MIDTH	*******	** INTEGRAT!	ርት ** የመደረሰ ተመመመ ** መደረሰ	PT[ON ** CO!	-aelCle// *:	****
				ENERGY		Ch→1	MICRON	H5	T = 1000	T = 1500	T = 2000	'T = 2509	T = 3000	1 = 7500
г	1	102	101	20264.94	2	2246.71	4.4510	0.0303	0.0	0.0	1.015-04	2.305-03	1.098-02	3.115-02
3	2	150	119	29956.07	1	2246.94	4.4505	0.0303	0.0	0.0	2.955-05	1 4 30 -0 1	735-02	0.535-02
1	Q	32	31	1901.19	1	2247.02	4.4503	0.0331	1.14F 07	1.590 07	1.53E 03	1.31= 03	1.075 07	9 695 02
2	1	85	84	14815.63	2	2247.06	4.4503	0.0303	0.0	3.776-04	8.01F-07	4.30=-02	1.345-01	2.43F-01
2	1	101	100	19920.19	2	2247.09	4.4502	0.0303	0.0	0.0	2.435-04	2.775-07	1.205-02	3.55F-02
1	0	57	56	5809.67	2	2247.34	4.4497	60.0303	7.88F-02	7.12F-01	1.755 00	2.125 00	3512F 00	3.30F 00
2	1	86	85	15111.48	2	2247.40	4.4495	0.0303	0.0	2.87E-04	6.556-03	3.745-02	t.025+01	2.188-01
2	1	100	99	19578.40	2	2247.43	4.4495	0.0303	0.0	0.0	3.075-04	3 745-07	1.49E-02	4.055-02
3	2	60	59	10864.87	ı'	2247.51	4.4494	0.0303	1.60F-02	1.640 00	1.350 01	4 22F 01	0.17F 01	1.225 02
2	1	44	43	5725.68	1	2247.67	4.4491	0.0303	1.23F 01	1.115 02	2.63F 02	3.08= 02	4.71F 02	4.96F 02
2	1	87	86	15410.46	2	2247.59	4.4490	0.0303	0.0	2.185-04	5.359-07	3.195-07	9.558-02	1.950-01
2	1	99	98	19239.58	2	2247.72	4.4490	0.0303	0.0	0.0	3.885-04	4.015-03	1.73=-02	4.61F-02
2	1	88	87	15712.59	2	2247.94	4.4485	0.0303	2.0	1.655-04	4.35F-07	7.71F=77	3.36=-12	1.745-01
2	1	98	97	18903.75	2	2247.97	4.4485	0.0303	0.0	2.0	4.898-04	4 425-03	2.025-02	5.23F-02
2	1	89	88	16017.84	2	2248.14	4.4481	0.0303	0.0	1.255-04	3.54F-03	2.305-03	7.305-02	1.555-01
2	t	97	96	18570.92	2	2248.17	4.4481	0.0303	0.0	0.0	6-150-04	5.785-03	2.345-02	5.94E-02
2	1	90	89	16326.21	2	2249.31	4.4478	0.0303	0.0	9.396-05	2.870-03	1.055-02	5.37F-02	1.39F-01
2	1	96	95	18241.11	2	2248.32	4.4478	0.0303	0.0	0.0	7.72F-04	5.015-03	2.77F=02	6.73F-02
2	1	91	90	16637.68	2	2248.42	4.4476	0.0303	0.0	7.04E-05	2.72#-03	1.454-02	5.55E=02	( • ^ 3F - 2 1
3	2	119	118	29548.44	1	2248.42	4.4476	0.0303	0.0	00	3.935-05	1.805-03	8.075-05	1.136-01
2	1	95	94	17914.32	2	2248.43	4.4475	0.0303	0.0	2.165-05	9.66E-04	0.265-02	3.145-02	
2	1	92	91	16952.23	ź	2248.49	4.4474	0.0303	0.0	5.270-05	1.87F-03	1.395-02	4.875-02	7.625-02
2	1	94	93	17590.57	2	2248.50	4.4474	0.0303	0.0	2.92F-05	1.215-03	9.94F-03	3.53F-02	1.10F-01
2	1	93	92	17269.87	2	2248.52	4.4474	0.0303	. ô. o	3.93E-05	1.50F-03	1.17F-02		8.51F-02
3	2	61	60	11086.05	ı	2248.88	4.4467	0.0303	1.195-09	1.35= 00	1.18F 01		4.195-02	9.72E-02
1	0	58	57	6015.03	2	2248.89	4.4466	0.0303	5.97F-02	5.96F-01	1.54F 00	7.79F 01	7.42F 01	1.145 02
1	0	33	32	2023.43	ī	2249.63	4.4452	0.0326	9 895 02	1.45F 03	1.450 07	2.375 00 1.265 03	2.82F 00	ገ.በማም በር
2	1	45	44	5891.22	ī	2249.76	4.4449	E0E0.0	1.03F 01	9.73E 01	2.44F 02		1 - በዓር በግ	9.548 02
3	2	118	117	29143.55	1	2249.84	4.4448	0.0303	0.0	0.0		3.715 02	4.465 02	4.75F 02
3	2	62	61	11310.73	i	2250.20	4.4440	0.0303	8.74F-93	1.11= 00	5.225-05	2.255-03	1.525-02	1.725-01
1	0	59	58	6223.85	2	2250.41	4.4436	0.0303	4.50F-02	4.97[-01	1.025 01	3.3AF 01	5.87F 01	1.05F 02
3	2	117	116	28741.41	1	2251.20	4 • 4 4 2 1	0.0303	0.0	7.97(-01	1.356 00	2.14 00	2.555 00	2.895 00
3	2	63	62	11538.91	ī	2251.49	4.4415	0.0303	6.40F-03	9.06F-01	5.92F-05	2.925-03	3.036-02	1.555-01
2	1	46	45	6060.43	ī	2251.81	4.4409	0.0303	8.28E 00	8.47E 01	8.80F 00 2.21F 02	3.015 01	5-23F 01	7.775 01
1	ō	60	59	6436.11	2	2251.88	4.4407	0.0303	- 3.38F-02	4.126-01	1.18E 00	3.44E 02 1.93= 00	4.215 02	4.545 02
1	0	34	33	2149,44	ī.,	2252.20	4.4401	0.0321	8.518 02	1.336 03			2.44= 00	2.69F 00
3	2	116	115	28342.04	1	2252.52	4.4395	0.0303	0.0	0.0	1.368 07	1.215 73	1.075 03	3.375 02
3	2	64	63	11770.57	ī	2252,72	4.4391	0.0303	4.66F-03	7.78E~01	9.16E-05 7.59E 00	3.52≃-03	3.54F-02	1.215-01
ı	0	61	60	6651.80	2	2253.31	4.4379	0.0303	2.52F-02	3.41E-01		2.59F 01	5.57¶ 01	9.035 01
3	2	115		27945.45	ĩ	2253.78	4.4370	0.0303	0.0	0.0	1.02F 00	1.77 00	2.245 00	2.515 00
2	1	47	46	6233.30	ì	2253.81	4.4369	0.0303	6.605 00	7.34F 01	,1.21F-04	4.39=-03	4.375-02	2.11F-01
3	2	65	64	12005.71	ī	2253.92	4.4367	0.0303	3.28F-03	5.99E-01	5.00E 05	3.19F 02	3.756 02	4.32F 02
2		133		33685.91	ī	2253.95	4.4367	0.0303	0.0	-	6.50F 00	2.38F 01	5.15# 01	9.345 04
1	o	62	6 t	6870.93	2	2254.71	4.4352	0.0303		0.0	0.0	1.255-04	2.17E-03	1.555-02
ı	0	35	34	2279.20	1	2254.73	4.4351	0.0317	1.87F-02 7.28F 02	2.815-01	2.91E-01	ነ - 55 ም የባ	2.75E 00	2.37E 00
3	_	114		27551.67	i	2254.99	4.4346	0.0317		1.21E 03	1.28F 03	1.145 23	ባ.ዶ5ም ሰዖ	9.19F 22
3	2	66	65	12244.32	1	2255.07	4.4345	0.0303	0.0	0.0	1.59F-04	5.455-03	9.245-02	2.465-01
S	ī	48	47	6409.82	1	2255.77	4.4345		2.445-03	4.845-01	5.570 00	2.115 01	4 • 57F 01	7.69= 01
i	ā	63	62	7093.47	ż	2256.06		0.0303	5.24F 00	6.34F 01	1.800 02	2.05F 02	7.73F 02	4.11E 02
2		132		33239.78	1	2256.08	4.4325 4.4325	E0E0.0	1.38E-02	2.310-01	7.72F-01	1.39F 00	1.80ር በባ	2.17F 00
3		113		27160.71	1	2256.15			0.0	n.n	0.0	1.61F-04	2.57F-03	1-956-02
3	2	67	66	12486.39	1		4.4323	0.0303	0.0	0.0	2.09E-04	6.79F-03	4.275-42	*.87F-01
3	2	68	67	12731.90	i	2256•17 2257•23	4.4323	0.0303	1.75E-03	3.89F-01	4.75F 00	1. PAF 01	4.22F 01	7.07F 01
_	_		Ξ,	,01490	•	4691463	4.4302	0.0303	1.25F-03	3.13F-01	4.045 00	1.645 01	3.91⊏ 01	5.49F 01

_	/U	VL . JU J	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT	ED ** ABSOR	TION ** CO	EFFICIENT *	*****
			STATE		NUMBER	LENGTH	WIDTH			CM*G	<b>4</b> -1		
			ENERGY		CM-1	MICRON	HS	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	1	0 36 3	5 2412.73	3 1	2257.23	4.4302	0.0312	6.19E 02	1.10E 03	1.20E 03	1.10E 03	9.52E 02	7.99F 02
	3	2 112 11	26772.58	1	2257.26	4.4302	0.0303	0.0	0.0	2.74E-04	8.40E-03	7.49E-02	3.34E-01
	1	0 64 6	3 7319.43	3 2	2257.37	4.4299	E0E0.0	1.02E-02	1.89E-01	6.67E-01	1.24E 00	1.71E 00	2.01E 00
	2	1 49 4			2257.69	4.4293	0.0303	4.13E 00	5.45E 01	1.62E 02	2.71E 02	3.49E 02	3.90E 02
	2	1 '131 '13			2258.15	4.4284	0.0303	0.0	0.0	0.0	2.06E-04	3.285-03	2.21E-02
	3	2 69 6			2258.24	4.4282	0.0303	8.84E-04	2.50E-01	3.43E 00	1.45E 01	3.44E 01	5.95E 01
	3	2 111, 11			2258.32	4.4281	E0E0.0	0.0	0.0	3.59E-04	1.04E-02	8.94E-02	3.88E-01
	1	0 65 6			2258.64	4.4274	0.0303	, 7.42E-03	1.54E-01	5.75E-01	1.11E 00	1.56E 00	1.86E 00
	3_	2 70 6			2259.21	4.4263	0.0303	6.24E-04	1.99E-01	2.91E 00	1.27E 01	3.09E 01	5.45E 01
	3 .	2 110 10			2259.32	4.4261	E0E0.0	0.0	0.0	4.68E-04	1.295-02	1.06E-01	4.50E-01
	2	1 50 4			2259.57	4.4256	0.0303	3.24E 00	4.67E 01	1.45E 02	2.50E 02	3.27E 02	3.70F 02
	1	0 37 30			2259.68	4.4254	040308	5.23E 02	9.93E 02	1.12E 03	1.05E 03	9.18E 02	7.78E 02
	<u>. 1</u>	0 66 69			2259.86	4.4251	0.0303	5.39E-03	1.26E-01	4.95E-01	9.845-01	1.42E 00	1.72E 00
	3	2 71 7			. 2260.14	4.4245	0.0303	4.38E-04	1.58E-01	2.46E 00	1.11E 01	2.78E 01	4.98E 01
	2	1 130 12			2260.18	4.4244	0.0303	0.0	0.0	0.0	2.64E-04	4.03E-03	2.63E-02
	3	2 109 10			2260.28	4.4242	0.0303	0.0	0.0	6-10E-04	1.59E-02	1.27E-01	5.22E-01
	3	2 72 7			2261.02	4.4228	0.0303	3.06E-04	1.25E-01	2.07E 00	9.73E 00	2.49E 01	4.54E 01
	1.	0 67 60			2261.05	4.4227	0.0303	3.90E-03	1.02E-01	4.24E-01	8.73E-01	1.29E 00	1.58E 00
	3	2 108 10			2261.18	4.4225	0.0303	0.0	0.0	7.93E-04	1.95E-02	1.50E-01	6.04E-01
291	2	1 51 50			2261.41	4+4220	0.0303	2.52E 00	3.98E 01	1.29E 02	2.29E 02	3.05E 02	3.50E 02
<u> </u>	3	2 73 7			2261.85	4.4212	0.0303	2.13E-04	9.87E-02	1.74E 00	8.49E 00	2.22E 01	4.13E 01
		2 107 100 0 38 3			2262.03	4.4208	E0E0.0	0.0	0.0	1.03E-03	2.40E-02	1.78E-01	6.98E-01
	2	0 38 3			2262.09	4.4207	0.0303	4.39E 02	8.92E 02	1.04E 03	9.97E 02	8.82E 02 4.94E-03	7.55E 02
	1	0 68 6			2262.19	4.4205 4.4205	0.0303 E0E0.0	2.81E-03	8.22E-02		3.38E-04		3-13E-02
	3	2 74 7			2262.64	4.4196	0.0303	1.47E-04	7.76E-02	3.63E-01 1.45E 00	7.73E-01 7.39E 00	1.17E 00 1.99E 01	1.46E 00 3.76E 01
	3	2 106 10			2262.83	4.4192	0.0303	0.0	0.0	1.45E 00	2.94E-02	2.11E-01	8.06E-01
	2	1.52 5			2263.20	4.4185	0.0303	1.96E 00	3.38E 01	1.15E 02	2.09E 02	2.84E 02	3.30E 02
	1	0 69 6			2263.29	4.4183	0.0303	2.01E-03	6.61E-02	3.098-01	6.83E-01	1.05E 00	1.34E 00
	3	2 75 7			2263.38	4.4182	0.0303	1.01E-04	6.08E-02	1.22E 00	6.41E 00	1.77E 01	3.41E 01
	3	2 105 10	<del>-</del> -		2263.59	4.4178	0.0303	0.0	0.00	1.72E-03	3.61E-02	2.50E-01	9.29E-01
	<u>=</u>	1 128 12			2264.06	4.4168	0.0303	0.0	0.0	0.0	4.32E-04	6.05E-03	3.72E-02
	3	2 76 7			2264.07	4.4168	0.0303	6.94E-05	4.74E-02	1.01E 00	5.56E 00	1.58E 01	3.09E 01
	3	2 104 10			2264.29	4.4164	0.0303	0.0	0.0	2.21E-03	4.41E-02	2.95E-01	1.07E 00
	1	0 70 6			2264.35	4.4163	E0E0.0	1.43E-03	5.30E-02	2.63F-01	6.02E-01	9.51E-01	1.23E 00
	1	0 39 3			2264.46	4.4161	0.0303	3.66E 02	7.98E 02	9.63E 02	9.43E 02	8.47E 02	7.32E 02
	3	2 77 7			2264.72	4.4156	E0E0.0	4.73E-05	3.69E-02	8-42E-01	4.81E 00	1.40E 01	2.80E 01
	3	2 103 10			2264.94	4.4151	0.0303	0.0	0.0	2.85E-03	5.38E-02	3.48E-01	1.23E 00
	2	1 53 5			2264.95	4.4151	0.0303	1.51E 00	2.86E 01	1.02E 02	1.91E 02	2.64E 02	3.11E 02
	3	2 78 7			2265.33	4-4144	0.0303	3.21E-05	2.86E-02	6.98E-01	4.15E 00	1.24E 01	2.53E 01
	1	0 71 7			2265.37	4.4143	0.0303	1.02E-03	4.23E-02	2 - 23E-01	5.29E-01	8.56E-01	1.13E 00
	3	2 102 10	23050.98	1 1	2265.54	4.4140	E0E0.0	0.0	2.37E-05	3.65E-03	6.55E-02	4.09E-01	1.41E 00
	3	2 79 7	3 15657.13	4	2265.88	4.4133	. 0.0303	2.16E-05	2.21E-02	5.77E-01	3.57E 00	1.10E 01	2.28E 01
-	2	1 127 120	5 31047.46	1.	2265.93	4.4132	0.0303	0.0	0.0	0.0	5.51E-04	7.40E-03	4.42E-02
	3	2 101 10	22695.13	1, 1	2266.09	4.4129	0.0303	0.0	3.31E-05	4.67E-03	7.97E-02	4.80E-01	1.62E 00
_	1	0 72 7			2266.35	4.4124	0.0303	7.16E-04	3.37E-02	1.89E-01	4.64E-01	7.70E-01	1.03E 00
	3	2 80 7	15943.20	) Î	2266.39	4.4123	0.0303	0.0	1.70E-02	4.76E-01	3.07E 00	9.69E 00	2.06E 01
_	3	2 100 99			2266.59	4.4119	0.0303	0.0	4.60E-05	5.96E-03	9.67E-02	5.64E-01	1.85E 00
	2	1 54 5	7545.17	1.	2266.66	4.4118	0.0303	1.16E 00	2.42E 01	9.01E 01	1.74E 02	2.45E 02	2.93E 02
	1	0 40 39			2266.79	4.4115	0.0303	3.04E 02	7.11E 02	8.89E '02	8.89E 02	8.10E 02	7.07E 02
	3	2 81 8			2266.86	4.4114	0.0303	0.0	1.31E-02	3.91E-01	2.63E 00	8.54E 00	1.85E 01
_	3	2 99 90	21992.52	1 ,	2267.04	4.4110	0.0303	0.0	6.37E-05	7.60E-03	1.17E-01	6.60E-01	2.12E 00
	3	2 82 8	16525.24	1	2267.27	4.4106	0.0303	0.0	9.98E-03	3.21E-01	2.25E 00	7.52E 00	1.66E 01
_						<del></del>							

۷Ú	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HĄĻF WIOTH	******	t+ ÍNTFGR⊅T(	)   APSOR   APSOR	70707 5 6	TEFICIENT *	*****
				ENERGY		CM-1	MICRON	HZ	T = 1000	T = 1500	T = 2000	T = 2=00	T = 3000	T = 3500
							=	. 20 2	ü	<b>=</b>				8 8 8
1	Ó	73	72	9505-12	2	2267.28	4,4106	0.0303	5.03E-04	2.68F-02	1.59E-01	4.076-01	6.91E-01	9 20 2F-0 1
3	2	98	97	21645.80	ī	2267.45	4.4102	0.0303	0.0	8.79F-05	9.65F-03	1.425-01	7.725-01	2.47F 00
3	2.	83	8Ż	16821.19	1	2267.64	4.4099	0.0303	0.0	7.616-03	2.63E-01	1.92F 00	6.619 00	1.40F 01
2	1	126	125	30616.80	Ī	2267.73	4.4097	0.0303	0.0	0.0	0.0	7.015-04	3.04F-03	5.24 <b>5-</b> 02
3	Ż	97	96	21302.14	1	2267.80	4.4096	0.0303	0.0	1.21F-04	1-225-05	1.71E-01	0.01E-01	2.765 00
3	2	84	83	17120.41	1	2267.97	4.4092	0.0303	0.0	5.78E-03	2.14F-01	1.64F na	5.70° 00	1.33F Ot
3	3	96	95	20961.57	1	2268.10	4.4090	0.0303	0.0	1.665-04	1.55F-02	2.06F-01	1.05F 00	3,145 00
1	0	74	73	9764.71	2	2268.17	4.4088	0.0303	3.51F-04	2,125-02	1.34F-01	3.996-01	A. 10F-01	F.59F=01
3	2	85	84	17422.89	1	2268+24	4.4087	0.0303	0.0	4.38F-03	1.75[-01	1.395 00	5.07E 00	1.195 01
2	1	55	54	7747.04	1	2268.33	4-4085	0.0303	8.82F=01	2.03F 01	7.95F 01	1.50F 02	2.17F 02	2.75F 02 °
3	2	95	94	20624.10	1	2268.36	4.4085	0.0303	0.0	2 . 27 € - 04	1.95F-02	2.47F-01	1.22F 00	3.57F 00
3	2	86	85	17728.62	1	2268.47	4.4083	0.0303	0.0	3.31F-03	1.42F-01	1.1AF 00	4.43F 00	1.04E V(
3	2	94	93	20289.75	1	2268,56	4.4081	0.0307	0.0	3.10F-04	2.46F-02	2.96F-01	1,42F 00	4.06 <u>~ 0</u> 0
3	Ŝ	87	86	18037.58	1	2269.65	4.4079	0.0303	0 <b>.</b> Q	2,49F-03	1 - 15E - 01	1.005 00	1.47€ 00	ਰ•ੇਂ 4 ፈት ይይ _ጕ
3	Ż	93	92	19958.52	1	2268.72	4.4078	0.0303	0.0	4.21F-04	3.09F-02	3.556-01	1,550 00	4.60E 00
3	2	88	87	18349.76	1	2268.78	4.4077	0.0303	0.0	1,46E-03	9,295-02	5.4 PC=01	3.37□ 00	P.47F 00
3	2	92	91	19630.43	1	2269.83	4.4076	0.0303	0.0	5.71F-04	3.875-02	4.245-01	1.915 00	5.215 00
3	2	29	86	12665.15	1	2268.86	4,4075	0.0303	0.0	1.796-03	7.49F-02	7.155-01	2.93F 00	7.496 00
3	2	91	90	19305.50	1	2268,89	4.4074	0.0303	0.0	7 4 7 1 F = 0 4	4.835-02	5.06F-01	2.20E 00	5.89F 00
3	2	90	89	18983.73	1	2268.90	4.4074	0.0303	0.0	1.045-72	0.03E-05	6.025-01	2.54F 00	6.656 00
1	Ó	75	74	10027,60	2	2269.02	4.4072	F0E0.0	2 + 4 4 F - 04	1-676-02	1.13F-01	3.10=-01	5.54F-01	7.82E-01
1	Ō	4 i	40	3136,53	L	2269.07	4.4071	C0E0.0	2.50€ 02	6.31F 02	A.146 02	9,37F 02	7.73E 07	6.820 02
2	1	125	124	30188.78	1,	2269.49	4.4063	0.0303	0.0	0.0	n <b>,</b> n	8,018-04	1,10F-02	50-315-95
-	÷		1.7	********	-	2237.00	TETMES		reduct na	4731 <u>-</u> 46	and the	F . F . V . T . V . L		1 4 1 2
2	1	56	55	7952.49	1	2269.95	4.4054	0.0703	6.69E-01	1.70F 01	6.79F 01	1.43F 02	2.10E 02	2.57C O
1	0	77	,74	10547.26	ā.	2270.5A	4-4042	0.0303	1.10F=04	1.075-02	7.555-02	2.345-01	4.400-01	កំ.មក្ទ
2		124	127	90767.Aj	i	2271 10	4.4030	0.0303	0.0	0.0	2.405 05	1.175 03	1.745 00	7.350
1	0	78	77	10836.05	Ż	2271.30	4.4028	0.0303	7.946-05	0.01F-03	6.56F-02	5.036-01	3.92E-01	5.250
!	ā.	40	A :	7000.40	:	2271.83	4.4027	0.0303	ologr ob	5.67F 00	F.TOT OF	7-455 00	3-35E 02	6.579 <del>-02</del>
2	:	57	55 **	0161.53	ì	2271.55	4.4023	0.0505	ភ្នំព័ង្គកិត្ត	14426 91	exiae vi	1.255 02	1.455 02	2.41
•	\$	75	70	11112.00	2	2271.70	4.4014	0.0505	5.417-05	6+456-05	A. 43f-úź	i - 756-wi	3+4-4-01	5.0
1	0 n	108	107	20487.70	2 5	2272.21	4.4010	0.0303	0.0	0.0	8.85F-05	1.10F-03	5.30F-03	1.5
							4.4552	5.6363	3.254-25					- <del>/35=01</del>
1	0 I	107	122	20121.98		2272.84	4.3998	0.03n% 0.03n	0.0	0.0	1.14F=04	1.345-03	A.31F=03	
2	•	123		29340.73	1	2272+84 2275-27	4.3998	0.0303	0.0	0.0	3.275-05	1.475-07	1.675-02	77
1	0	 81	a o	11673.92	2		1000	0.000	0.707 01 0.475-08	1.107 01	7.705.01	14177 57	1.777 07	- 3er 43
1	0	106		19759.18		227J.20 227J.43	4.3991 4.3996	0.0303	2.47F=0F	3.77F=02	7.74F-02	1.70F-01	2.73F-01	
1	٥	43	42	3452.15	(57.0)	2273.53	4.3934	0.0303 0.0303	0.0 1.67F 02	0.9 4.90F 02	1.475-04	1.645-07 7.745 02	7.44F=01 6.005 02	
1	0	82	81	11959.70		2273.75	4.3980	0.0303	0.0	9.07F-02	6.86F 02 3.08F-02	1.125-01	2.41E-01	
1	0	105		19399.30		2273.97	4.3976	0.0303	0.0	0.0	1.995-04	1.09F-0%	7.4416-01 9.76F-03/	
1	Ô	83	82	12248.70		2274.25	4.3971	0.0303	0.0	2.20F-03	2.540-02	7.60F-02	2.12F-01	
8	120	122		28920.75		2274.44	4.3967	0.0303	0.0	0.0	4.34F-0F	1,910-03	[,705-02	
1		104		10042.35		2274.40	4.5966	0.0305	Ŭ•Ū	0.Ū	7.41F=04	2.435=03	1.075-0	A 702 00
3	:	80	66	8570.31		2074.50	4,3065	0.0307	V•V [•027-01	9.777 80	4.675 61	1.07= 02	1.575 5	7,011- 02
ī	0	ĦΑ	83	12540.93	_	2274.71	4.3962	0.0303	7.0	1.695-93	2.005-02	A.62F-AC	1.075-	
1	0.00	Eni		18689.36	11.000	2274 01	v 3088	0.0303	0.0	0.0	7.000 04	5.000 <u>63</u>	1.315	
1	0	85	84	12936.35	= 2	2275,12	4.3954	0.0303	0.0	1.295-03	1.700-02	7.025-02	1.64F	
1	0	102		10337.33		2275.31	4.3950	0.0303	0.0	0.0	3.93F-04	3.575_03	1.427	
1	0	86	85	13134.97	2	2275.49	4.3947	0.0303	0.0	9.78F-04	1.30F-02	£.395-03	1.44	
٠	^	141	100	13000 00	-				0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3.00		The same of the sa	A AAP=A3
1	Ō	44	4.3	3616.54	į	9 <b>974.4</b> 6	A.3CA7	A 4242	1 700 03	A 200 00	4 aCE As	e nëd A⊲		C.1146 W.
	<b>‡</b>	27	25	13145177	2	EZT5.GF	4.5540	010700	W • V	7 . u I Vu	I • I or = Qe	7. · · · · · · · · · · · · · · · · · · ·	400 (	0 005 01

VŲ	VL.	ปน	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENCTH	HALF WIDTH	****	** INTEGRATI	ED ** 49908 CM*G		realcient *	***
				ENERGY		CM-1	MICPON	H2	T = 1000	T = 1500	T = 2000	T = 2500	000E = T	T = 3500
							<b>.</b>				·			
ı	0	100	99	17644.22	2	2275.97	4.3937	0.0303	0.0	0.0	6.34F-04	5.225-03	1.945-02	4.61F-02
2	1	121	120	28503.48	1	2275.98	4.3937	0.0303	0.0	0.0	5.81E-05	2.29F-03	2.415-02	1.215-01
2	1	60	59	8810.04	1	2276.01	4.3937	0.0303	2.09F-01	9.02F 00	4.05F 01	9.305 01	1.505 02	1.955 02
1	0	88	87	13741.75	2	2276.10	4.3935	0.0303	0.0	5.60E-04	9.216-03	4.325-02	1.10F-01	\$•01F-01
1	0	99	98	17302.17	2	2276.23	4.3932	0.0303	0.0	2.08F-05	8.02F-04	6.295-07	2.265-02	5.255-02
1	0	89	88	14049.87	2	2276.34	4.3930	0.0303	0.0	4.21F-04	7.475-03	3.666-02	9.635-02	1.705-01
1	0	98	97	16963.14	2	2276.44	4.3928	0.0303	0.0	2.84F-05	1.01F-03	7.555-03	2.535-02	5.98=-02
1	0	90	89	14361.15	2	2276.53	4.3927	0.0303	0.0	3.165-04	6.046-03	3.105-02	9.30F-02	1.605-01
1	0	97	96	16627.14	2	2276.61	4.3925	0.0303	0.0	3.88F-05	1.290-03	9.08E-03	3.055-02	6.795-02
1	0	91	90	14675.56	2	2276.68	4.3924	0.0303	0.0	2.37F-04	4.876-03	2.626-02	7.305-02	1.426-01
1	0	96	95	16294.18	2	2276.74	4.3922	0.0303	0.0	5.294-05	1.616-07	1.00E=05	3.555-02	7.715-02
1	0	92	91	14993.09	2	2276.78	4.3922	0.0303	0.0	1.765-04	3.926-03	2.20F-02	5.345-02	1.260-01
1	٥	95	94	15964.29	2	2276.82	4.3921	0.0303	0.0	7.195-05	2.016-02	1.305-02	4.115-02	9.73[-02
1	O	93	92	15313.73	2	2276.84	4.3921	0.0303	0.0	1.31F-04	3.158-07	1.955-02	5.50=-02	1.125-01
1	0	94	93	15637.47	2	2276.85	4.3920	0.0303	0.0	9.72E-05	2.525-03	1.555-02	4.76E-02	9.39 <del>-</del> 92
2	Ì	61	60	9033.32	ī	2277.41	4.3910	0.0303	1.556-01	5.59= 00	3.42F 01	9.40E 01	1.375 02	1.81F 02
2	1	120	119	28088.95	1	2277.47	4.3908	0.0303	0.0	0.0	7.795-05	2.88=-0,3	2,995-02	1.425-01
2	0	45	44	3782.62	1	2277.81	4.3502	0.0303	1.09F 02	3.75= 02	5.69F 02	6.375 02	6.279 02	5.78F 02
2	1	62	61	9260.14	1	2278.77	<b>ERRE.</b> 4	0.0303	1.176-01	5.39E 00	3.04E 01	7.50% 01	1.25E 02	1 KRE 02
2	1	119	118	27677.16	Ţ	2278.91	4.3881	0.0303	0.0	0.0	1.04=-04	3.435-03	3.535-02	1.679-01
1	0	46	45	3953.41	1	2279.89	4.3862	0.0303	8.73F 01	3.26F 02	5.14F 02	5.918 02	5.91F 02	5.525 02
2	- 1	63	62	9490.49	1	2280.09	4.3858	0.0303	9.29F-02	4.40E 00	2+62E 01	6.69F 01	1.145 02	1.555 02
2	1	118	117	27268.14	1	2280.29	4.3854	0.0303	0.0	0.0	1.39F-04	4.555-03	4.25F-02	1.946-01
2	1	64	63	9724.36	1	2281.36	4.3834	0.0303	6.02F-02	3.57E 00	2.25E 01	5.045 01	1.030 02	1.43F 02
2	1	117	116	26851.92	1	2281.63	4.3824	0.0303	0.0	0.40	1.84F-04	5.71F-03	5.14F-02	2.305-01
1	Q	47	46	4127,89	1	2281.93	4.3823	0.0303	6-95F 01	2.82F 02	4.64E 02	5.47F 02	5.555 02	5.265 02
2	1	65	64	9961.74	1	2282.59	4.3810	E0F0.0	4.35F-02	8.89F 00	1.93F 01	5.27F 01	9.385 01	1.325 02
2	0	134	133	32302.84	i	2282.82	4.3805	2050.0	0.0	0.0	0.0	1 - 445-04	2.195-03	1.43F-02
2	1	116	115	26458.50	1	2282.91	4.3804	0.0303	0.0	0.0	2+445-04	7.145-07	6.195-02	2.705-01
2	1	66	65	10202.62	1	2283.77	4.3787	0.0303	3.125-02	2.33F 00	1.55F 01	4.655 01	8.49F 01	1.22F 02
1	Q	48	47	4306.05	1	2283.93	4.3784	0.0303	5.50F 01	2.43E 02	4.17E 02	5.05F 02	2.31E 05	5.00F 02
2		115		26057.89	1	2284.14	4.3780	F0E0.0	0 + 0	0.0	3.22F-04	9.935-07	7.44F-0°	3 • 1 6 F-0 1
2	3	67	66	10446.99	1	2284.91	4.3765	0.0303	2.235-02	1.88F 00	1.41F 01	4-125 01	7.578 01	1.125 02
1	0	133		31849.57	1	2284.97	4.3764	0.0303	0.0	0+0	0.0	1.965-04	2.70F-03	1.715-02
2	ž	114		25660.13	1	2285.32	4.3758	0.0303	0.0	0.0	4.265-04	1.115-02	よ・ひょとーいを	3.605-01
1	0	49	48	4487.89	ŀ	2285.89	4.3747	0.0303	4.328 01	5.09C 05	3.74E 02	4.65F 02	4•90 <u>ም</u> ዕጽ	4.74F 02
2	1	68	67	10694.85	ì	2286.00	4.3745	0.0303	1.59F-02	1.50E 00	1.19E 01	3.63F 01	6.925 01	1.03F 02
2	1		115	25265.22	1	2286.44	4.3736	0.0303	0.0	0.0	5•616-04	1.396-02	1.075-01	4.30=-01
5	1	69	68	10946.18	ì	2287.05	4.3724	0.0303	1.125-02	1.20F 00	1.01# 01	7.198 01	5.235 Ol	9.30F 01
1		132		31398.83	1	2287.07	4.3724	0.0303	0.0	0.0	0.0	₽.405-04	3.345-03	3 + D4 E-05
2		112		24873.19	1	2287.52	4.3715	0.0303	0.0	0.0	7.395-04	1.72F-02	1.285-01	5.01F-01 .
1	0	50	49	4673.40	ī	2287.80	4.3710	0.0303	3.38F 01	1.788 02	3.75F 02	4.275 77	4.59F 02	4.495 02
2	1	70	69	11200.97	1	2288.05	4.3705	0.0303	7.905-03	9.935-01	8.566 00	2.70F 01	5.50F 01	8.59= 01
2		111		24484.04	ı	2288.54	4.3696	0.0303	0.0	0.0	9.676-04	2.145-02	1.535-01	5.83E-01
2	1	71	70	11459.21	ı	2289.01	4.3697	0.0303	5.575-07	7,555-01	7.21F 00	2.44F 01	5.02F 0t	7+94F 01
1		131		30950.66	1	2289.12	4.3685	0.0303	0.0	0.0	0.0	3.095-04	4.115-03	2.44F-02
2		110		24097.80	1	2289.51	4.3677	0.0303	0.0	0.0	1.275-03	2.655-02	1.975-01	6.795-01
1	0	51	50	4862,58	1	2289.67	4.3674	0.0303	2.63F 01	1.52F 02	2.995 02	3.915 02	4.275 02	4.24F 02
2	1	72	71	11720.90	1	2289.93	4.3669	0.0303	3.85F-03	5,96F-0t	6.07E DO	2.175 01	4.50F 01	7.15F 01
2		109		23714.48	i	2290.43	4.3660	0.0303	0.0	0.0	1.655-03	3.27F-02	2, [95-01	7.87E-01
2	1	73	72	11986.02	1	2290.79	4.3653	0.0303	2.A7F-03	4.690-01	5.0°E 00	1.860 01	4.026 01	6.50F 01
1		130		30505.08	i	2291-11	4.3647	0.0303	0+0	0.0	0.0	3.965-04	5.06#-03	2.91F-02
S	3	108		23334.10	1	2291.30	4.3643	0.0303	0.0	0.0	2 · 16F-03	4.03F-02	2.50F-A1	9+125-01

VU	٧L	. JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRATE			EFFICIENT *	*****
				STATE		NUMBER	LENGTH	WIDTH			CM*GI		·· - <del></del>	
				ENERGY		CM-1	MICRON	н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
1	0	52	51	5055.41	1	2291.50	4.3640	0.0303	2.04E 01	1.29F 02	2.65F 02	3.58E 02	3.98E 02	4.00E 02
2	1	74	73	12254.55	1	2291-61	4.3637	0.0303	1.84E-03	3.68E-01	4.25E 00	1.62E 01	3.58E 01	5.91E 01
2		107		22956.67	1	2292.12	4.3628	0.0303	0.0	0.0	2.80E-03	4.97E-02	3.08E-01	1.06E 00
2	1		74	12526.50		2292.39	4.3623	0.0303	1.26E-03	2.87E-01	3.55E 00	1.40E 01	3.19E 01	5.36E 01
2		106		22582.21	1	2292.89	4.3613	0.0303	0.0	2.64E-05	3.64E-03	6.11E-02	3.65E-01	1.22E 00
1	0	129	128	30062.09	1	2293.04	4.3610	0.0303	0.0	0.0	0.0	5.08E-04	6.22E-03	3.47E-02
2	1	76	75	12801.85	1	2293.12	4.3609	0.0303	8.60E-04	2.24E-01	2.95E 00	1.21E 01	2.83E 01	4.85E 01
1	0	53	52	5251.89	1	2293.28	4.3606	0.0303	1.57E 01	1.09E 02	2.35E 02	3.26F 02	3.69E 02	3.77E 02
2		105		22210.73	3	2293.61	4.3599	0.0303	0.0	3.74F-05	4.715-03	7.50E-02	4.32E-01	1.41E 00
2	1	77	76	13080.58	1	2293.80	4.3596	0.0303	5.84F-04	1.74E-01	2.45E 00	1.05E 01	2.51E 01	4.39E 01
2	1	104	103	21842.26	1	2294.28	4.3587	0.0303	0.0	5.28E-05	6.08E-03	9.185-02	5.11E-01	1.62F 00
2	1	78	77	13362,69	1	2294.44	4.3584	0.0303	3.94E-04	1.34E-01	2.02E 00	9.03E 00	2.23E 01	3.96F 01
2	1	103	102	21476.80	. 1	2294.89	4.3575	0.0303	0.0	7.42E-05	7.83E-03	1.125-01	6.03E-01	1.87E 00
1	0	128	127	29621.73	1	2294.93	4.3574	0.0303	0.0	0.0	0.0	6.50E-04	7.63E-03	4.14E-02
2		75	78	13648.17	1	2295.03	4.3572	0.0303	2.65F-04	1.03E-01	1.67E 00	7.76E 00	1.97E 01	3.57F 01
1	ő	54	53	5452.01	1	2295.03	4.3572	0.0303	1.20E 01	9.17F 01	2.08F 02	2.96E 02	3.42E 02	3.54F 02
2			101	21114.38	1	2295.46	4.3564	0.0303	0.0	1.04E-04	1.01E-02	1.375-01	7.10E-01	2.15E 00
	1	80	79	13937.00	1	2295.57	4.3562	0.0303	1.77E-04	7.95F-02	1.38F 00	6.66E 00	1.74E 01	3.21F 01
2			100	20755.00	1	2295.98	4.3554	0.0303	0.0	1.45E-04	1.29E-02	1.67F-01	8.36F-01	2.47F 00
2	1	81	80	14229.17	1	2296.07	4.3553	0.0303	1.18E-04	7 - 08E-02	1.13E 00	ร์ 70E 0ว	Tisse oi	2.89E 01
2		100	99	20398.68	1	2296.45	4.3545	0.0303	0.0	2.03F-04	1.65F-02	2.03F-01	9.82E-01	2.83F 00
2	1 1	82	81	14524.67	1	2296.52	4.3544	0.0303	7.81E-05	4.645-02	9.25E-01	4.87E 00	1.34E 01	2.59E 01
1	0	55	54	5655.77	1	2296.73	4.3540	0.0303	9.10F 00	7.69E 01	1.83F 02	2.69F 02	3.17F 02	3.32E 02
1	0	127	126	29184.00	1	2296.75	4.3540	0.0303	0.0	0.0		8.31E-04	9.35E-03	4.92F-02
2	1	99	. 98	20045.44	1	2296.87	4.3538	0.0303	0.0	2.82E-04	2.11E-02	2.46F-01	1.15F 00	3.24E 00
			82	14823.48	1	~2296.93	4.3536	0.0303	5.14E-05	3.53E-02	7.55F-01	‴4•ì5⊑°00	1.18F 01	2.32F 01
2	1	_ 98	97	19695.29	1	2297.23	4.3531	0.0303	0.0	3.90F-04	2.69E-02	2.98E-01	1.35E 00	3.70E 00
2	1	84	83	15125.61	1 1	2297.28	4.3530	°0.0303	3.37F-05	2.67E-02	6.15E-01	3.53E 00	1.03E 01	2.07F 01
2	1	. 97	96	19348.24	1	2297.55	4.3525	0.0303	0.0	5.39F-04	3.41F-02	3.60F-01	1.588 00	4.23E 00
S	` <u>"</u> 1	85	84	15431.03	-1	2297.59	4.3524	0.0303	2.20F-05 "	2.02E-02	5.00E-01	3.00E 00	9.03E 00	1.85E 01
2	1_	96	95	19004.32	1	2297.82	4.3520	0.0303	0.0	7.42F-04	4.33F-02	4.34E-01	1.84F 00	4.82E 00
້ ີ 2	1	86	85	15739.73	1 "	2297.85	4.3519	0.0303	0.0	ั 1.52ศี-ก็ว	4.05F-01	2.54E 00	7.88F 00	1.65F 01
2	1	95	94	18663.53	1	2298.05	4.3515	0.0303	0.0	1.02F-03	5.47E-02	5.23F-01	2.15F 00	5.49F 00
2	1	87	86	16051.69	1	2298.07	4.3515	0.0303	0.0	1.14E-02	3.28E-01	2.158 00	6.87F 00	1.47E 01
2	1	94	93	18325.89		2298.22	4.3512	0.0303	0.0	1.396-03	6.90F-02	6.295-01	2.50F 00	6.24E 00
-2	ì	88	87	` 16366.91	i	2298.23	4.3512	0.0303	0 • Ô ¯	8.53F-03	2.64E-01	1.82F 00	5.97F 00	1.31F 01
_ 2	1	93	92	17991.41	1	2298.34	4.3510	0.0303	0.0	t.90E-03	8.69E-02	7.54E-01	2.90E 00	7.08F, 00
`2	`1 [~]	89	88	16685.38	1 "	~2298.35~	4.3509	0.0303	0.0	6.35 <u>5</u> -07	2.135-01	1.536 00	5.195~00	1.16F 01"
1	O	56	55	5863.14	1	2298.38	4.3509	0.0303	6.88F 00	6.43E 01	1.60F 02	2.43E 02	2.92F 02	3.115 02
2	1	`90	89	17007.07	1	2298.42	4.3508	0.0303	0.0	4.72F-03	1.71F-01	1.29F 00	4.505 00	1.03F 01
2	1	92	91	17660.10	1	2298.42	4.3508	0.0303	0.0	2.585-03	1.096-01	9.02E-01	3.36F 00	9.03E 00
12	ĺ	91	90	17331.98	1	2298.44	4.3508	0.0303	0.0	3.50E-03	1.37F-01	1.09F 00	3.89E 00	9.09# 00
1	. 0		125	28748.94	1	2298.53	4.3506	0.0303	0.0	0.0	2.60E-05	1.06F-03	1.14F-02	5.845-02
^ì	΄ ό	~ 5 <b>7</b>	56	6074.14	1	2300.00	4.3478 ^{**}	ិ ខែ៤៥០៤០	5.18F 00 °	5.35E 01	1.41Ê 02	2.20E 02	2.69F 02	2.915 02
1	0	125		28316.55	1	2300.25	4.3474	0.0303	0.0	0.0	3.52F-05	1.355-03	1.40F-02	6.935-02
1	0	58	57	6288.75	1	2301.57	4.3449	0.0303	3.87F 00	4.43F 01	1.23F 02	1.98E 02	2.47F 02	2.71F 02
1	0		123	27886.86	1	2301.92	4.3442	E0E0.0	0.0	0.0	4.77F-05	1.72F-03	1.715-02	8.55E-05
1	0	59	58	6506.95	1	2303.09	4.3420	0.0303	2.88E 00	3.66€ 01	1.07E 02	1.78E 02	2.275 02	2.526 02
1	0	123	122	27459.88	i	2303.54	4.3411	0.0303	0.0	0.0	6.44F-05	2.198-03	5.0ºE-05	9.72F-02
1	U								'2.13F 00					"2".35F 02
	a	60	59	6728.75	1	2304.57	4.3392	0.0303	40136 00	3.01F 01	9.27E 01	1.59F 02	2.095 02	C 44.77F
1	0	60 122		6728.75 27035.63	1 1	2304.57 2305.10	4.3392 4.3382	0.0303	0.0	0.0	P.67E-05	2.77E-03	2.53F-02	1.15E-01
1	0													

V(	) VL	วับ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRAT	ED ** ABSOR			*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 350
	. 0		61	7183.08		2307.41	4.3339	0.0303	1.15E 00	2.02E 01	6.92E 01	1.27E 02	1.73E 02	2.02E 0
i		120	119	26195.41	1	2308.07	4.3326	0.0303	0.0	0.0	1.56E-04	E0-324.4	3.73E-02	1.60E-0
1		63	62	7415.60	1	2308.76	4.3313	0.0303	8.35E-01	1.64E 01	5.96E 01	1.13E 02	1.57E 02 4.52E-02	1.86E 0
1		119		25779.47	1	2309.47	4.3300	0.0303	0.0	0.0	2.09E-04	5.57E-03	1.43E 02	1.72F 0
1			63	7651.67		2310.07	4.3289	0.0303	6.05E-01	1.33E 01	5.11E 01 2.80E-04	7.01E-03	5.47E-02	2.22E-0
1		118		25366.34		2310.82	4.3275	0.0303	0.0	1.08E 01	4.37E 01	8.88F 01	1.30E 02	1.59E 0
<u>1</u>		65 117	64	7891.29 24956.02		2311.33	4.3265	0.0303	4.36E-01 0.0	0.0	3.73E-04	8.81E-03	" 6.61F-02	2.60E-0
1			65	8134.45		2312.54	4.3242	0.0303	3.12E-01	8.66E 00	3.73E 01	7.85E 01	1.17E 02	1.46E 0
<del></del> i		116		24548.55		2313.37	4.3227	0.0303	0.0	0.0	4.95E-04	1.10E-02	7.97E-02	3.05E-0
1		67	66	8381.13	ī	2313.72	4.3220	0.0303	2.22E-01	6.95E 00	3.18E 01	6.92E 01	1.06E 02	1.34E 0
<u>_</u>		115		24143.93	$\overline{1}$	2314.57	4.3205	0.0303	0.0	0.0	6.57E-04	1.38E-02	9.60E-02	3.58F-0
1	_	68	67	8631.33	1	2314.84	4.3200	0.0303	1.58E-01	5.55E 00	2.70E 01	6.09E 01	9.54F 01	1.23E 0
<del></del> 1		114		23742.18		2315.71	4.3183	0.0303	0.0	0.0	8.70E-04	1.73E-02	1.15E-01	4.18E-0
1		69	68	8885.04	1	2315193	4.3179	0.0303	1.11E-01	4.42E 00	2.28E 01	5.34E 01	8.58E 01	1.12E 0
1	0	113	112	23343.33	1	2316.80	4.3163	0.0303	0.0	0.0	1.15E-03	2.16E-02	1.39E-01	4.89E-0
1	. 0	70	69	9142.25	1	2316.97	4.3160	0.0303	7.79E-02	3.51E 00	1.92E 01	4.68E 01	7.70E 01	1.03E 0
1	0	112	111	22947.38	1	2317.65	4.3143	E0E0.0	0.0	0.0	1.52E-03	2.69E-02,	1.66E-01	5.71E-0
1		71	70	9402.94	1	2317.96	4.3141	E0E0.0	5.43E-02	2.77E 00	1.62E 01	4.09E 01	6.90E 01	9.36E 0
1	0	111		22554.35	1	2318.84	4.3125	0.0303	0.0	0.0	1.99E-03	3.34E-02	1.99E-01	6.65E-0
1			71	9667-11	1	2318.90	4.3124	0.0303	3.77E-02	2.18E 00	1.36E 01	3.56F 01	6-17E 01	8.53E 0
i		110		22164.27	1	2319.77	4.3108	0.0303	0.0	2.10E-05	2.62E-03	4.14E-02	2.38E-01	7.74E-0
1		73	72	9934.75	1	2319.81	4.3107	E0E0•0	2.60E-02	1.71E 00	1.14E 01	3.10E 01	5.51E 01 4.91E 01	7.75E 0
1			73	10205.84	1	2320.66	4.3091	0.0303	1.79E-02	1.34E 00	9.50E 00	2.69E 01 5.13E-02	2.84E-01	8.99E-0
		109		21777.14		2320-66	4.3091	0.0303	0.0 1.22E-02	3.02E-05 1.05E 00	3.43E-03. 7.91E 00	2.33E 01	4.36E 01	6.38E 0
1		75 108	74	10480.37		2321.47 2321.50	4.3076 4.3076	0.0303 0.0303	0.0	4.32E-05	4.48E-03	6.34E-02	3.38E-01	1.04E 0
		76	75	10758.35	1	2322.23	4.3062	0.0303	8.305-03	8.12E-01	6.57E 00	2.01E 01	3.87E 01	5.77E 0
1		107		21011.81	1	2322.28	4.3061	0.0303 E0E0.0	0.0	6.17E-05	5.84E-03	7.83E-02	4.02E-01	1.21E 0
— <u>;</u>		77	76	11039.74		2322.95	4.3049	0.0303	5.61E-03	6.28E-01	5.44E 00	1.74E 01	3.43E 01	5.21E 0
1	-	106		20633.65	i	2323.02	4.3047	0.0303	0.0	8.79E-05	7.59E-03	9.64E-02	4.78E-01	1.40E 0
		78	77	11324.54	<del>-i-</del>	2323.62	4.3036	0.0303	3.78E-03	4.85E-01	4.49E 00	1.49E 01	3.03E 01	4.70E C
i	-	105		20258.50	ī	2323.70	4.3035	0.0303	0.0	1.25E-04	9.85E-03	, 1.19E-01	5.67E-01	1.62F 0
			78	11612.75		2324.25	4.3025	0.0303	2.53E-03	3.73E-01	3.70E 00	1.28E 01	2.68E 01	4.23E C
1	. 0	104	103	19886.39	1	2324.34	4.3023	0.0303	0.0	1.77E-04	1.28E-02	1.45E-01	6.72E-01	1.87E
- 1	0	80	79	11904.34	1	2324.83	4.3014	E0E0.0	1.68E-03	2.85E-01	3.04E 00	1.10E 01	2.36E 01	3.80E
1	l o	103	102	19517.34	1	2324.92	4.3012	0.0303	0.0	2.49E-04	1.65E-02	1.78E-01	7.94E-01	2.15F
	i o	81	80	12199.31	. 1	2325.36	4.3004	0.0303	1.12E-03	2.18E-01	2.49E 00	9.40E 00	2.08F 01	3.41E
1	. 0	102	101	19151.35	1	2325.46	4.3002	0.0303	0.0	3.51E-04	2.12E-02	2.18E-01	9.37E-01	2.48E C
- 1			81	12497.64	1	2325.84	4.2995	0.0303	7.36E-04	1.66E-01	2.04E 00	8.02E 00	1.82E 01	3.06F (
		101		18788.44		2325.94	4.2993	0.0303	0.0	4.92E-04	2.73E-02	2.66E-01	1.10E 00	2.85E
			82	12799.33		2326.28	4.2987	0.0303	4+83E-04	1.26E-01	1.66E 00	6.83E 00	1.60E 01	2.74F (
1		100	99	18428.62		2326.37	4.2985	0.0303	0.0	6.88E-04	3.50E-02.	3.24E-01	1.30E 00 1.40E 01	2.44E
1		84	83	13104.36		2326.67	4.2980	0.0303	3.15E-04	9.50E-02	1.35E 00	5.80E 00	1.40E 01	3.75E
		99	98	18071.92		2326.76	4.2978	0.0303	0.0 2.05E-04	9.59E-04 7.16E-02	4.48E-02 1.09E 00	3.94E-01 4.92E 00	1.22E 01	2.18F
		85	84	13412.71		2327.01	4.2974	0.0303 E0E0.0	0.0	1.33E-03	5.72E-02	4.78E-01	1.79E 00	4.30E
		98	97	17718.34		2327.31	4.2968	0.0303	1.32E-04	5.37E-02	8.85E-01	4.15E 00	1.06E 01	1.94E
	1 0	97.		17367.91		2327.31	4.2967	0.0303 E0E0.0	0.0	1.84E-03	7.28E-02	5.78E-01	2.10E 00	4.91E
-		67	36	14039.36		2327.55	4.2964	0.0303	8.52E-05	4.02E-02	7.14E-01	3.516 00	9.25E 00	1.73E C
;	-	96	95	17020.62		2327.62	4.2962	0.0303	0.0	2.55E-03	9.25E-02	6.99E-01	2.45E 00	5.60E 0
	-	68	87	14357.63		2327.75	4.2960	0.0303	5.45E-05	3.00E-02	5.75E-01	2.96E 00	8.04E 00	1.53E 0
			,01	16676.52		2327.80	4.2959	0.0303	0.0	3.51E-03	1.17E-01	8-43E-01	2.86E 00	6.39F 0

VÜ	VL	70	JL,	LOWER STATE	CODE	WAVE .	WAVE LENGTH	'HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR CM*G		FFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
1	0	69	88	14679.17	1.	2327-91	4-2957	0.0303	3.47E-05	2.23E-02	4.61E-01	2.49E 00	6.97E 00	1.36E 01
1.	0	94	93	16335.59	1	2327.94	4.2956	0.0303	0.0	4.81E-03	1.48E-01	1.01E 00	3.33E 00	7.27E 00
1	. 0	90	89	15003.98	1	2328.01	4.2955	0.0303	2.20E-05	1.65E-02	3.69E-01	2.09E 00	6.03E 00	1420E 01
1	0	93	92	15997.85	1	2328.03	4.2955	E0E0.0	0.0	6.58E-03	1.87E-01	1.22E 00	3.87E 00	8.26E 00
1	0	91	90	15332.04	. 1	2328.07	4.2954	0.0303	0.0	1.22E-02	2.95E-01	1.75E 00	5.22E 00	1.06E 01
1.	0	92	91	15663.33	1	2328.07	4.2954	0.0303	0.0	8.97E-03	2.35E-01	1.46E 00	4.50E 00	9.38E 00

Table 8—First overtone band of CO, T =  $1000-3500\,^{\circ}$ K. The total number of lines included is 4794. For temperatures less than  $3500\,^{\circ}$ K, the line intensities were set equal to zero for intensities less than approximately  $1\times10^{-6}$ . The line intensities correspond to a mass absorption coefficient.

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

								CA	RBON MONOX	IDE					
VŁ	,	VL.	ΔU	JL	LOWER	CODE	WAVE	WAVE	HALF	****	**** INTEGRAT		ORPTION ** CO	FFICIENT *	*****
					STATE ENERGY		CN-1	MICRON	H2 H2	T = 100	00 T = 1500	T = 200		T = 3000	T = 350
11	 I		104	105	37225.20	1	3065.80	3.2618	0.0303	0.0	0.0	0.0	2.31E-06	5.72F~05	5.31E-0
13		<u>11</u>	54	95	37398.61	1	3066.67	3,2609	0.0303	0.0	0.0	0.0	2.78E-06	7.03E-05	6.60E-0
12		10		100	37272.94	1	3067.03	3.2605	0.0303	0.0	0.0	0.0	2.62F-06	6.53E-05	6.08E-0
<del></del> 7			122		37006.34	<del></del>	3067.50	3.2600	0.0303	0.0	0.0	0.0	1.07F-06	2.60E-05	2.37F-0
ç	,	7	113	114	36989.44	1	3069.17	3 - 2582	0.0303	0.0	0.0	0.0	1.79E-06	4.35E-05	3.97F-0
15	5 :	13	83	84	37607.55	i	3069.80	3.2575	0.0303	0.0	0.0	0.0	3.08E-06	7.92E-05	7.55F-0
10		14	77	78	37726.41	1	3072.54	3.2546	0.0303	0.0	0.0	0.0	3.13F~06	<u>8•17</u> E-05,	7.84E-0
10	)	8	108	109	36896.64	1	3073.25	3.2539	0.0303	0.0	0.0	0.0	2.31E-06	5.57F-05	5.05F-0
14		12	_88	89	37311.09	_1	3073.73	3 • 2534	0.0303	<u>0 • ö</u>	0.0	0.0	3.26E-06	8.17F-05	7,62F-0 3,41F-0
	_	_	117		36770.87	1	3074.36	3.2527	0.0303	0.0	0.0	0.0	1.59F-06	3.79E-05 6.69E-05	6.06F-0
11			103		36883.04		3075.77	3.2512	0.0303	0.0	<u> </u>	0.0	2.78E-06 3.29E-06	8.075-05	7.428-0
13		11	93	94	37090.97	1	3076.02	3.2510	0.0303	0.0	0.0	0.0	3.13F-06	7.56F-05	6.88F=0
_12		10	9.2	99	36948.03	1	3076.69	3.2502	0.0303	0.0	0.0	7.0	3.56F-06	8.94F-05	8 36F-0
15		13	82	83	37337.31	1	3078.45	3.2484	0.0303 0.0303	0.0	0.0	0.0	1 • 34F-06	3-13F-05	2.785-0
	<u> </u>		121		36600.82 36615.54	<u>1</u>	3078.56 3079.69	3.2483	0.0303	0.0		·	2.20E-26	5.176-05	4.606-0
		14	76	77	37476.32	1	3080.81	3.2459	0.0303	0.0	0.0	0.0	3.58F-06	9.115-05	8.60F-0
16			125		36479.76	<u> </u>	3081.78	3.2449	0.0303	0.0	0.0	6.6	1.04F-^6	2.41F-05	2.12F-0
1		12	£7	88	37023.57	i	3082.70	3 2439	0.0393	2.0	0.0	0.0	3.825-06	9.30F-05	8.516-0
-17			107		36539.95	1	3083.47	3.2431	0.0303	0.0	0.0	0.0	2.82F~06	6.565-25	ร คุร
	3		116		36382.44	ī	3085.13	3.2414	9.0303	0.0	0.0	0.0	1.995-06	4.545-05	₹,075-0
- <u>r</u> `		<del>ň</del> -	52	- <u>193</u> -	36786-14	<del>i</del>	3085.31	3.2412	0.0303	······································	0.0	0.0	3.48E-06	9.25E-05	8.32F-1
11			102		36543.60	î	3085.68	3.2408	0.0303	0.0	0.0	0.0	3.36F-06	7.81F-05	6.92F-0
12		10	57	98	36625.89		3086.30	3.2401	0.0303	0.0	0.0	70.0	3.73E-16	8.75F-05	7.70F-0
15		13	81	62	37069.95	1	3087.05	3.2393	0.0303	0.0	0.0	0.0	4 - 11 F - 26	1.01F-04	9.25E-0
10		14	75	76	37229.15	1	3089.03	3.2373	0.0303	0.0	0.0	0.0	4.03E-06	1.02E-04	0.42F-0
• •		5	120		36197.86	1	3089.58	3.2367	0.0303	0.0	0.0	0.0	1 • 67E=06	3.76F-05	3.25F-0
	9 "		111		36244.30	1	3090.16	3 2361	2.0303	0.0	0.0	0.0	2.71F-06	6.13F-05	5.32F-^
14	1	12	86	87	36738.89	1	3091.62	3.2345	0.0303	0.0	0.0	0.0	4.465-05	1.06F-04	0.40=-0
-14	5 `~	4	124	125	36062,28	1	3093.03	3.2331	0.0303	0.0	0.0	2.0	1.31F-46	2.92F-05	2.50F-7
10	)	8	106	107	36185.95	1	3093.64	3.2324	0.0303	0.0	0.0	0.0	3.43E+06	_7•7?= <u>-</u> 0,5	K - 67E - 0
1:	3	11	51	92	36484.12	1	3094.55	3.2315	0.0303	0.0	0.0	0.0	4.576-26	1.055-04	9.335-0
1 :	1	9.	101	102	36206,90	1	3095.54	_3.2305	0.0303	0.0	0.0	2:0	4 • 745-76	9.1^F-95	7.88F-0
is	Š	ĭЗ	ЕO	81	36805.48	1	3095.59	3.2304	0.0303	0.0	0.0	0.0	4.74F-96	1 • 1 3E -0 4	1.025-0
	8		115		25996.63	1	3095.85	3.2301	0.0303	0.0	<u> </u>	<u> ö.•</u> 0	2.466-06	5.43F-05	4.635-0
7:		10	96	97	36306.52	1	3095.85	3.2301	0.0303	0.0	0.0	040	4.44E-06	1.01F-04	A A A A A
_10		14	74	75_	36984.90	1	3097.19	3.2287	0.0303	···	0.0	3.5	4 - 65F - ^6	1.135-04	1 • C3E = C
14		12	29	86	36457.07	1	3100.49	3.2253	0.0303	0.0	0.0	0.0	5.20F-06	1.20F-34	1.065-0
			119	120	35797.48		3100.54	3,2252	0.0303	2 • 0		0.0	2.085-06	4.51F-05 7.27F-05	3.80F-0
	ē ~		110		35875.71	1	3100.58	3.2252	0.0303	0.0	0.0	0 • 0	3.33F-^6 5.37F-^6	1.215-04	1.005-0
1.		11.	. SC.	91	36184.92		3103.73	3.2219	0.0303	. 6.0		0.0	4.175-06	9.07F-05	7.65F-0
10	-		ice		35834.66	1	3103.75	3.2219	0.0303	0.0	0.0	0.0	5.46F-16	1.275-04	1.13F-0
1.		13	<u>. 79</u> .	80	36543.91	<del></del>	3104.08	3.2216	0.0303	0.0	~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~	0.0	1.65F-26	3.536-05	2.045-0
	5		123		35647.34		3104.24	3.2214 3.2203	0.0303	0.0	0.0	0.0	5.28F=16	1.25F-04	1.136-0
- 1		14 10	73	74 96	36743.59 35989.95		3105.29	3.5503	0.0303	·0.0 ·-	0.0	0.0	5.28E-06	1 • 1 7F-94	0.945-5
			100		35989.95	,	3105.35	3.2202	0.0303	0.0	0.0	0.0	4.85F-06	1.96F-94	8.96=-
_ !	9.	-		115	35613.45		3106.51	3.2190	0.0303	. 0.0	2.6	0.0	3.04F-06	6.48F-15	5.30F-0
	-		127					3.2190	0.0303	0.0	0.0	0.0	1.19F-06	2.515-25	2. CBF-C
	5	12	127	85	35546.66		3106.96	3.2162	0.0303	0.0	0.5	7 ~ 7.0	6.05=-06	1.36F-74	1.1RF-0
-	4		109		35178+12	1	3110.95	3.2162	0.0303	0.0	0.0	2.0	4.085-06	8.60F-05	7.105-2
	7 .		118		35399.70		3111.45	3.2139	0.0303	0.0		2.0	2.605-05	5.43F-05	4.45E-0
	, .	-7		7	222339010	•	2111143	3.2129	0.0303	0.0	0.0	0.0	6.23F-06	1 -43E-04	1.245-0

	VU	٧Ĺ	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE		RPTION ** CO	FFICIENT *	******
					ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000		T = 3000	T = 3500
	13	11	89	90	35888.57		3112.86	3.2125	0.0303	0.0	0.0	0.0	6.31E-06	1.38E-04	1.175-03
	16	14	72	73	36505.22		3113.33	3.2120	0.0303	0.0	0.0	0.0	5.99E-06	1.39E-04	1.23F-03
	10		104		35486.10		3113.81	3.2115	0.0303	0.0	0.0	0.0	5.05E-06	1.06E-04	8.768-04
	12	10	94	95	35676.18		3114.79	3.2105	0.0303	0.0	า.0	0.0	6.26E-06	1 • 34E-04	1.12E-03
	11	9		100	35541.77		3115.10	3.2102	0.0303	0.0	0.0	0.0	5.82E-06	1 • 23E-04	1.02E-03
	6		122		35234.96	1	3115.39	3.2099	9.0303	0.0	ე.0	0.0	2+08E-06	4.26E-05	3.45F-04
-	8		113		35232.91	1	3117.13	3.2081	0.0303	0.0	2.0	0.0	3.76E-06	7.73E-05	6-265-04
	14			84	35902.06		3118.04	3-2071	0.0303	0.0	0.0	0.0	7.03E-06	1.54E-04	1.31E~03
	5_		126		35119.70		3110.35	3.2068	0.0303	0.•0	0.0	0.0	1.50E-06	3.05E-05	2 • 45F-04
	15	13	77	78	36029.51		3120.87	3.2042	9.0303	0.0	0.0	0.0	7.20E-06	1.60E-04	1.376-03
	9	7			35146.60		3121.26	3.2038	0.0303	0.0	0.0	0.0	4.99F-76	1.02E-04	8.18F-04
	16	14	71	72	36269.81		3121.31	3.2038	0.0303	0.0	0.0	0.0	6.79E-06	1 - 54E-04	1.346-03
w	13_	11_	88	<u> 89</u>	35595.07	11	3121.93	3.2031	0.0303	0.0	0.0	0.0	7.41E-06	1.58F-04	1.31F-03
	7		117		35004.53	1	3122.31	3.2028	0.0303	0.0	n.o	0.0	3.24E-06	6.52F-05	5.20E-04
	10	8	ŢĞĞ.		35140.28		3123.82	3.8015	E0.0303	0.0	0.0	0.0	6 - 11E-06	1.25E-04	1.006-03
	12	10	53		35365.23		3124.17	3.2008	0.0303	0 • 0	0.0	0.0	7.41F-06	1.54F-04	1.26F-03
	11_	9	98	99	35213.38		3124.80	3.2002	0.0303	2.0	0.0	0.0	6.97E-06	1.43E-04	1.165-03
	6			122	34825.16	1	3126.49	3.1985	0.0303	0.0	0.0	0.0	2.60E-06	5.14E-05	4+05F-C4
in in the	14	. 12	82	_83_	35628.90		3126.74	3.1982	0.0303	0.0	2.0	0.0	8 15E-26	1.74F-04	1.455-03
300	ë	6	112		34855.04		3127.69	3.1972	0.0303	0.0	0.0	0.0	4 64F-76	ີ່9•2^E−05ີ	7.265-04
~~	15	13	7€	77	35776.71	1	3120-18	3,1957	0.0303		ዕቀር	0.0	8.245-06	1.79F-04	1.506-03
	16	14	70	71	36037.37		3129.23	3.1957	0.0303	0.0	n.,ŋ	0.0	7.67F-06	1.70=-04	1.465-03
	5	3	125		34695.28		3129.69	3 1952	0.0303	0.0	0.0	0.0	1.90E-06	3.715-05	2.90F-04
	13	11		89	35304.45	1	3130.94	3.1939	0.0303	C.0	່າ້າ	ັດ•ົາົ້ ⁻	8.68F-06	1.80F-04	1.466-03
- 1 -	9_	7	107		34786.11	. 1	3131.52	3.1933	0.0303	0 • 0	0.0	0.0	6.09E-06	1.20F-04	9.42F-04
	4		129		,34615.31	1	3131.92	3.1929	0.0303	. 0.0	ດີ້ດ	0.0	1.215-06	2.34F-05	1.82F-04
	7.	5	116		34611.99		3133.11	3.1917	0.0303	0.0	0.0	0.9	4.04F-06	7.83E-05	5.08F-04
	12	10	52	93	35057.12	1	3133.50	3.1913	0.0303	~ o.5	ัื่อ∗กิ ¯	0.0	8.765-06	1.77F-04	1.49F-03
	10_	8	102		34797.22	1	3133.77	3.1910	0.0303	C • O	2.0	0.0	7.39F-06	1.46F-04	1.145-03
	11	9	97	98	34887.79	1 -	3134-44	3-1904	0.0303	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	o di ĝ	770.0	8 33E-06	1.66F-04	1.31F-03
	14	12	. 81	_ 82	35358.64	1	3135.37	3.1894	0.0303	.0.0	2.0	0.0	9.43E-06	1.955-04	1.605-03
	16	14	€9	70	35807.91	1	3137.10	3.1877	0.0303	10.0		75.0	5.64F-06	1.89F-04	1.58F-03
	15	13	. 75	76	35526.85	1	3137.43	3.1873	0.0303	0.00	9.9	0.0	9.41F-06	1.995-04	1.65F-03
	6	4	120	121	34417.95	1	3137.54	3.1872	0.0303	0.5	0.0	2.0	3.26F-06	6.20F-05	4.75=-04
	. 8	6	111	112	34479.86	1	3138.20	3-1865	0.0303	0.0	0.0	2.0	5.726-06	1.00F-04	8.425-04
	13	11	`€ <b>6</b>	87	35016.70	1	3139.90	3.1848	9.0303	0.0	0.0	0.0	1.025-05	2.05E-04	1.635-03
	. 5		124	125	34273.40	1	314C.99	3.1937	0.0303	0.0	0.0	ຼົດ • ດັ	2.40F-06	4.51E-05	3.42E-04
	9	7	106	107	34428.34	1 -	3141.72	3.1830	0.0303	C•0	0.0	0.0	7 • 4 3F - ^ 6	1.41=-04	1.085-03
	12	10	S 1	92	34751.86	1	3142.78	3.1819	9+9393	0.0	0.0	0.0	1.03F-05	2.035-04	1.595-03
	` 4"	2	128	129	34178.80	1	3143.45	3.1812	0.0303	0.0	0.0	0.0	1.546-06	2.875-05	2.16F-04
	10	8	101	102	34456.93	1	3143.67	3.1810	0.0303	0.0	0.0	0.0	8.91F-26	1.705-04	1.31F-03
	~ 7 [~]	ຮັ	115	116	34222.09	1	3143.87	3.1808	2.0303	0.0	2.0	0.0	5.038-06	9.39F-05	7.09F-04
	14	12	EΟ	81	35091.32	1	3143.95	3.1207	0.0303	0.0	0.0	0.0	1.095-05	2.215-04	1.77F-03
	11	´9	۶è	97	34565.00	1	3144.03	3.1806	0.0303	ດຸດີ	0.0	0.0	9.936-16	1.92F-04	1.485-03
	16	14	68	69	35581.43	1	3144.90	3.1798	0.0303	^.^	0.0	0.0	9.735-06	2.075-34	1.72F-03
	15	<b>13</b>	74	75	35279.96		3145.63	3.1790	0.0303	0.0	0.0	0.3	1.078-05	2.22F-04	1.80=-03
	6	4	119		34013.35		3148.54	3+1761	0.0303	č.c	0.0	0.0	4.095-06	7.456-05	5.56F-04
	8	6	110		34107.37	-	3148.65	3.1760	0.0707	0.0	9.0	2.0	7.045-06	1.305-04	9.75F=04
	13	11		86	34731.85		3148.80	3.1758	0.0303	0.0	0.0	0.0	1.198-05	2.37E-04	1.825-03
	9		105		34073.32		3151.87	3.1727	0.0303	0.0	0.0	0.0	0.045-05	1.665-04	
	12	10	90	91	34449.46		3152.00	3.1726	0.0303	2.0	0.0	0.0			1.245-43
	5		123		33854.11	î ^	3152.23	3.1724	0.0303	0.0	0 • C		1.226-05	2.325-14	1.78F-03
	14	12	79	80	34926.92		3152.47	3.1721	0.0303			2.0	3.03F-05	5,465-05	4.035-04
	• ,		• • •	70	J- ,6017C	•	J1 /4**/	2.1/41	0.000	0.0	2.0	7.0	1.26F-25	2.485-04	1.065-03

"vů	ν̈́L	ີ່ ວ່ຽ	, Jr ₄	Lower	ĈODÉ .	WAVE	WÁVE	HALF	**************************************	** INTEGRATE	n **°àBSÓRP	TĨÕÑ ** COE	FFICTENT **	******
				STATE		ил мъёв	LENGTH	HS AIDÍH	·· τ = 1000	T = 1500	. = 2000 T = 2000	-1 T = 2500	т = 3000	T = 3500
				ENERGY		CM-1	MTCRON	n2	1 = 1000	1 = 1900	1 = 2000	1 = 2500	1 = 3000	
							- 4510			۰. ۵		1 005-05	2 275-04	1.86F-03
.16	14 8	,67 100	68	35357.96		3152.65 3153.52	3.1719 3.1711	0.0303	0.0	0.0	0.0	1.09E-75	2 • 27F - 04	1.49F-03
,10 11	9	55	96	34119.43		3153.56	3.1710	0.0303	0.0	0.0		1.18E-05	2.21F-04	1.68E-03
15	13	73	74	35036.03		3153.76	3.1708	0.0303		0.0	0.7	1.225-05	2.47F-04	1.97F-03
7	5	114		33834.87		3154.57	3.1700	0.0303	0.0	0.0	0.0	6.24E-06	1.12F-04	8.26F-04
À	2	127	128 °	33744.82		3154.94	3.1696	0.0303	0.0	0.0	0.0	1.97F-76	3.50=-05	2.57E-04
13	11	. €4	85	34449.91		3157.64	3.1669	0.0303	0.0	0.0	.0.0	1.38E=05	2 • 64E - 94 .	
8	6	105		33737.59		3159.05	3.1655	0.0303	0.0		0.0	8.655-06	1.54E-04	1-13F-03
6	4	118	-	33611.38		3159,49	3.1651	_ 0,.0303 _	.0.6.		-2-2	5-11E-06	8.99F-05	6.52E-04 2.01E-03
16	14	66	67	35137.49		3160.33	3.1642	0.0303	0.0 0.0	0.0	0.0	1.22E-05 1.45E-05	2.50F-04 2.79F-04	2.16F-03
14 12	12 10	78 89	79	34565.47		3160.93	3.1636	0.0303	0.0	2.0	0.0	1.43E-05	2.65F-04	2.0CF-03
15	13	72	73	34795.09		3161.84	3.1627	0.0303	0.0	The Contract of the Contract o	0.0	1.395~05	2.745-04	2.15E-13
. 9	7		105	33721.07		3161.97	3.1626	0.0303	0 + 0	O * U	0 • 0	1.106-05	1.95E-04	1.438-03
11	9	94	95	33927.93		3163.04	3.1615	0.0303	0.0	0.0	0.0	1.41E-05	2.55F-04	1.895-03
10	8		100	33784.73		3163.31	3.1612	0.0303	0.0	0.0	0.0	1.29F-05	2.31F-04	1+69=-03
5	3	122	123	33437.40	1	3163.42	3.1611	0.0303	0.0	0.0	0.0	3.82E-06.	6.61F-05	4.74F-04
Ŷ	5	113	114	33450.32	1	3165.22	3.1593	0.0303	2.0	0.0	0.0	7.73F-06	1 - 34=-04	9.62-04
4	2	126	127	33313.39	1 , ,	3166.37	3.1582	0.0303	0.0	2.0	0.0	"? <b>.</b> 505-26	_4.27F-05	3.C4F-04
13	11	83	84	34170.88	1	3166.43	3.1581	0.0303	0.0	0.0	0.0	1.615-05	2.99F-04	2.26F-03
16	14	65	66	34920.04		3167.96	3.1266	0.0303	2: ^	0.0	3.0	_1.37F-05	_2.73E-04	2.17E-03
14	12	77	78	34306.98		3169.34	3 - 1 552	0.0303	0.0	0.0	0.0	1.66E-05	3.13E-04	2.38F-03
8	. 6		109	33370.55		3169.40	3.1552	0.0303.		2.0	0.0	1.06F-05	1.82F-04 3.03E-04	1.30E-03
15	13	71	72	34557.13		3169.86	3.1547	0.0303	0.0	0.0	0.0	1.68F-05	3.045-04	2.24F-03
12 6	.10 4	88, 117	. 89 118	33853.30		3170.27	3.1543	0.0303	0.0	0.0	O • O	6.39E~06	1.08F-04	7.64F-04
9	7		104	33371.58		3172.01	3.1526	0.0303	0.0	0.0	0.0	1.33E-05	2.205-04	1.64E-03
11	9	53	94	33613.67		3172.46	3.1521	0.0303	~	-0.0	7.0	1.67E-05	2.94F-04	2.13F-03
10	8	98	99	33452.85		3173.04	3.1516	0.0303	0.0	0.0	0.0	1.556-05	2.68E-04	1.925-03
5	··· ਤ	121	122	33723.30		3174.56	3.1500	0.0303	0.0	0.0	0.0	4.80E-06	7.99F-05	5.57F-^4
13	11	82	83	33894.79	1	3175 - 16	3-1494	0.0303	0.0	0.0	0.0	1.875-25	3.39F-04	2.50F-03
Î16	14	64	68	34705.62		3175.53	3.1491	0.0303	0.0	0.0	0.0	1.53F-25	2.995-14	2.34F-03
7	5		113	33068.48		3175.82		0.0303		0.0	2.0	_9.57F_06	1.60F-04	1.12F-03_
14	12	76	77	34051.46		3177.69	3.1469	0.0303	0.0	0.0	0.0	1-915-05	3.50E-04	2.625-03
4	2		126	32884.54		3177.75	3.1469	0.0303		0.0	2.0	3-17F-06	5.21F-05	7.56F-03
15	13	70	71	34322.18		3177.82	3.1468	0.0303	0.0	0.0	0.0	1.78E-05 1.98E-05	3.36F-04 3.47F-04	2.51F-03
12	. 10	. 27 107	. 88 .	33559.57 33006.25		3179.32	3.1453	0.0303	0.0	0.0	-V. V	1.30E-05	2.16F-04	1.50F-03
3		129		32796.18		3179.96	3.1447	0.0303	0.0	0.0	0.0	1.69E-06	2.756-05	1.89F-04
6	â	116		32015.40		3181.23	3.1434	0.0303	0.0	- 0.2	0.0	7.97E-06	1.30F-04	8.94F-04
11	9	92	93	33302.29		3181.83	3.1428	0.0303	0.0	0.0	0.0	1.98E-05	3.395-04	2.40F-03
ĝ	7	102	T A	33024.89		3182.00	3.1427	0.0303	2.0	0.0	0.0	1.61E-05	2.68F-04	1.87F-23
10	8	C7	98	33123.80		3182.72	3.1420	0.0303	0+0	0.0	0.0	1.85F-05	3-11F-04	2.18E-03
16	14	63	64	34494.25		3183.03	3.1417	0.0303	0.0	0.0	0.0	1.70F-05	3.275-04	2.52E-03
13	11	81	.82	33621.65		3183.83	3.1409	0.0303	0.2	0.0	0.0	2 .1 7F-05	_3.82F_24_	2.78F-03
5	ĴЗ		121	32611.84		3185.65	3.1391	0.0303	0.0	0.0	0.0	6.03F-06	9.45F-05	6.54F-74
15	13	69	70	34090.25		3185.72	3.1390	0.0303	0 • 2,		. 3 • টৈ:	2.01F-05	. 3.71E-04 .	2.785-03
14	12	75	76	33798-93		3185.97	3 - 1 388	0.0303	0.0	0.0	0.0	2.18F-05	3.91F-04	2.87F-03
7	5		112.	32689.35		3186.36	3 - 1 384	2.0303	<u>Ç.</u>	0.0	0.0	1.18F-05 2.32F-75	1.91F-04 3.95F-04	2.80F-03
12	10	136	87	33268.76		3188.31	3.1365 3.1357	0.0373	0.0	0.0	0.0	4.02F-06	6.34F-05	4.25F-04
4 8	2 6	124	125	32458.27		3189.08	3.1349	F0.0303	0.0	3.0	-2.42	1.59E-05	2.55F-04	1.736-03
16	14	62	63	34285.92		3190.48	3.1343	0.0303			0.0	1.90F-25	3.565-04	2.716-03
				5 7 4 4 5 7 5 2	•		5115.0	.5,55,5					•	

VC	U	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT		ORPTION ** CO	EFFICIENT *	*****
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 200		T = 3000	T = 350
11		9	91	92	32993.78		3191.14	3.1337	0.0303	0.0	_0.0	0.0	2.34E-05	3.88E-04	2.70E-0
	3		128		32355.13		3191.53	3.1333	0.0303	0.0	0.0	0.0	2.16E-06	3.37E-05	2.24E-0
	<u>9</u>		101		32681.01		3191.94	3.1329	0.0303	0.0	0.0	0.0	1 • 95E-05	3.14E-04	2-14E-0
10		8	56	97	32421.43		3192.02	3.1328	E0E0.0	0.0	0+0	0.0	9.94E-06	1.56E-04	1.04E-0
13		11	80	81	32797.60		3192.35	3.1325	0.0303	0.0	0.0	0.0	2.21E-05	3.61E-04	2.48E-0
15		13	68	69	33861.33		3192•44 3193•56	3.1324 3.1313	0.0303	0.0	0.0	0.0	2.51E-05	4.31E-04	3.08E-0
14		12	74	75	33549.38		3194.20	3.1307	0.0303	0.0	0.0	0.0	2 • 27E05	4.09E-04	3.02E-0
	Ś			120	32203.01		3196.69	3.1282	0.0303	0.0	0.0	0.0	2.49E-05	4.36F-04	3 • 15 == 0
	7			111	32312.95		3196.86	3.1281	0.0303	0.0	0.0	0.0	7.56E-06	1.16E-04	7.67E~0
12	2	10	85	86	32980.87		3197.25	3.1277	0.0303	0.0	0.0	0.0	1.46E-05 2.72E-05	2.27E-04 4.50E-04	1.51E-0
16		14	61	62	34080.64	- <u>i</u>	3197.87	3.1271	0.0303	0.0	0.0	0.0	2.10E-05	3.88E-04	3.13E-0
6	В	6	105		32285.97	i	3200.13	3.1249	0.0303	0.0	0.0	0.0	1.93E+05	3.00E-04	2.91E-0
-	4	2		124	32034.61	1,	3200.36	3.1246	0.0303	0.0	0.0	0.0	5.08E-06	7.70E-05	5.02E-0
11		9	90	91	32688.18		3200.40	3.1246	E0E0.0	0.0	0.0	0.0	2.76E-05	4.45E-04	3.03F-0
13	3	11	79	60	33084.24	1	3201.00	3.1240	0.0303	0.0	0.0	0.0	2.90E-05	4.86E-04	3.40E-0
15		13	67	68	33635.45	1	3201.34	3.1237	0.0303	0.0	0+0	0.0	2.55E-05	4.50E-04	3.27E-0
	9			101	32339.95		3201.82	3.1232	0.0303	0.0	0.0	0.0	2.35E-05	3.67E-04	2.44E-0
10		8	95	96	32474.26	i	3201.92	3.1231	0.0303	0.0	0.0	0.0	2.64E-05	4.17E-04	2.80E-0
14		12	73	74	33302.84	1	3202.38	3.1227	0.0303	0.0	0.0	0.0	2.84E-05	4.86E-04	3.45E-
	6		114		32030.15		3202.76	3.1223	0.0303	0.0	0.0	0.0	1 - 24E-05	1.87E-04	1 - 22E-0
	3		127		31916.65	1	3203.05	3.1220	E0E0.0	0.0	0.0	0.0	2.75E-06	4.13E-05	2.675-0
16		14	60	61	33878.44	1	3205.19	3.1199	0.0303	0.0	0.0	0.0	2.33E-05	4.21E-04	3.11E-0
12	2 7	10	E4	85	32695.94		3206.13	3.1190	0.0303	0.0	0.0	0.0	3.17E-05	5.12E-04	3.49E-0
	<del></del>	- 3	109		31939.30		3207.30	3,1179	0.0303	0.0	0.0	0.0	1.79E-05	2.69E-04	1.74E-0
15		13	66	67	31796.86 33412.62		3207.67	3.1175	0.0303	0.0	0.0	0.0	9.49E-06	1.41E-04	9.01E-0
13		11	78	79	32820.01		3209.06 3209.50	3.1162	0.0303	0.0	0.0	0.0	2 • 86E-05	4.95E-04	3.54E-0
2.1		9	29	90	32385.48		3209.60	3.1157	0.0303 0.0303	0.0	0.0	0.0	3.34E-05	5.46F-04	3.76E-
	8	6		105	31930.02		3210.26	3.1150	0.0303	0.0	0.0	0.0	3.25E-05	5.09E-04	3.40E-
14		12	72	73	33059.32		3210.49	3.1148	0.0303	0.0	0.0	0.0	2.36E-05	3.53E-04	2.29E-
10		8	<b>94</b>	95	32153.80		3211.43	3.1139	0.0303	0.0	0.0	0.0	3.23E-05	5.40E-04	3.77E-
-	4	2	122	123	31613.57		3211.59	3.1137	0.0303	0.0	0.0	0.0	3.15E-05 6.42E-06	4.82E-04 9.34E-05	3.17E-
	9	7	59	100	32001.73	<del></del>	3211.65	3.1137	0.0303	0.0	0.0	0.0	2.83E-05	4.28E-04	2.78E-0
16	6	14	59	60	33679.31	1	3212.46	3.1129	0.0303	0.0	0.0	0.0	2.57E-05	4.57E-04	3.33E-0
	6	4	113	114	31641.59	1	3213.45	3.1119	0.0303	0.0	0.0	0.0	1.54E-05	2-24E-04	1.42E-0
	3	1	126		31480.76		3214.52	3.1109	0.0303	0.0	0.0	0.0	3.51E-06	5.04E-05	3.17E-0
12		10	83	84	32413.95	1	3214.95	3.1105	0.0303	0.0	0.0	0.0	3.70E-05	5.81E-04	3.89E-
15	5	13	65	66	33192.84	1	3216.73	3.1087	0.0303	0.0	0.0	0.0	3.21E-05	5.43E-04	3.83E-
	7	5		109	31568.43		3217.68	3.1078	0.0303	0.0	0.0	0.0	2.21E-05	3.19E-04	2.02E-
13		11	77	78	32558.77		3217.94	3.1076	0.0303	0.0	0.0	0.0	3.85E-05	6-13E-04	4 - 14E-
14		12	71	72	32818.82		3218.55	3.1070	0.0303	0.0	0.0	0.0	3.67E-05	5.99E-04	4 - 1 2E-
	5		117		31393.38		3218.60	3.1069	0.0303	0.0	0.0	0.0	1.19E-05	1.70E-04	1.06E-
11		9	88	89	32085.71		3218.74	3.1068	0.0303	0.0	0.0	0.0	3.83E-05	5.83E-04	3.81E-
19	<u>6</u>	14	56	59	33483.27		3219.66	3.1059	0.0303	0.0	0.0	0.0	2 • 85E-05	4.956-04	3.57E-
		6 8	103		31576.87		3220.34	3.1053	0.0303	0.0	0.0	0.0	2.86E-05	4.15E-04	2.68E-
	9	7	<del>58</del>	94	31836.23		3220.89	3.1047	0.0303	0.0	0.0	0.0	3.74E-05	5.56E-04	3.586-
	4		121		31666.36 31195.18		3221.42	3.1042	0.0303	0.0	0.0	0.0	3.41E-05	4-98E-04	3.17E-
12		10	82	83	.32134.93		3222.76	3.1029	0.0303	0.0	0.0	0.0	8.09E-06	1.13E-04	6.96E-
	6		112		31 255.77		3223.72	3.1020	0.0303	0.0	0.0	0.0	4.30E-05	6.58E-04	4.325-0
15		13	64	65			3224.09	3.1017	0.0303	0.0	0.0	0.0	1 • 91 E - 05	2.68E-04	1.66E-0
	3 3		125		32976.12		3224.33	3.1014	0.0303	0.0	0.0	0.0	3.58E-05	5.95E-04	4.13E-0
	<u>-</u>		.· <u>.</u> = 2_	160	31047.46		3225.94	3.0999	0.0303	0.0	0.0	0.0	4 • 47E-06	6-16E-05	3.75E-0

" <u>""""""""""""""""""""""""""""""""""""</u>	'JL"	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	** ['] INTFGRATI	TD ** ABSORE		FFECTENT *:	******
		ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
		C11C1101						, - 1504		,		
"	- •	· •										١.
13 11 76	77	32300.53	1	3 2 2 6 + 3 3	3.0995	6.0303	0.0	2.0	0.0	4.42F-05	6.87F-04	4.56F-03
14 12 70	71	32581.36	1	3226.54	2.0993	2.2303	ň.,	0.9	ດີເດັ	4.16F-05	6.64F-04	4.49F-03
16 14 57		33290.32	1	3226.81	3.0999	0.0303	0.0	0.0	0.0	3-146-45	5.35F-14	3.815-03
11 9 E7		31788.87	ì	3227.83	3.0981	0.0303	0.9	0.0	0.0	4.51E+05	6.675-04	4.28=-03
7 5 107	108	31200.33	1	3228.01	3.0979	0.0303	0.0	0.0	0.0	2.71E-05	3.785-04	2.335-07
5 3 116	-	30992.61	·1	3229.49	3.0965	0.0303	0.0	ń. n	ຍ່∙ກ້	1.495-05	2.045-04	1.245-03
10 8 52		31521.56	1	3230.29	3.0957	0.0303	0.0	0.0	0.0	4.445-05	6.415-04	A.03F-03
8 6 102	103	31226.56	1	3230.37	3.0956	0.0303	0.0	0.0	0.0	3.47F-95	4.875-04	3.016-03
9 7 97		31333.86	1	3231.14	3.0949	0.0303	0.0	0.0	0.0	4.09=-05	5,705-14	3.605-03
15 13 63		32762.48	1	3231.87	3.0942	0.0303	0.0	0.0	0.0	4.00E-05	6.505-04	4.465-03
12 10 81		31858.89	1	3232.42	3.0937	0.0303	0.0	0.0	0.0	5.00F-05	7.45F-04	4.80F-03
16 14 56		33100.48	1	3233.89	3.0923	0.0303	0.9	0.0	á. j	3.456-05	5.805-14	4.076-03
4 2 120	121	30779.46	1	3233.89	3.0923	0.0303	0.0	0.0	0.0	1.025-05	1.376-04	8.19E-04
14 12 69		32346.95	ī	3234.48	3.0917	0.0303	0.0	2.2	0.0	4.70F-05	7.34F-94	4.895-03
13 11 75		32045.30	1	3234.65	3.0915	0.0303	0.0	2.0	0.0	5.076-05	7.69F-34	5.01F-03
6 4 111		30872.70	1	3234.67	3.0915	0.0303	0.0	2.0	0.0	2.36F-05	3.20=-94	1.936-^3
11 9 86		31495.00	1	3236.86	3.0894	0.0393	0.0	0.0	0.0	5.29F-05	7.625-04	4.795-03
3 1 124		30616.80	1	3237.31	3.0990	0.0303	0.0	2 • Ö	0.0	5 • 685-06	7.51F-05.	4.446-04
7 5 1 0 6		30835.03	i	3238.29	3.0880	0.4303	0.0	0.0	0.0	3.31F-05	4.48F-04	2.60F-03
15 13 62		32551.91	i '	3239.36	3.0970	0.0303	0.0	กร	0.0	4 .45E-05	7.09E-04	4.79F-03
10 8 51		31209.82	1	3239.64	3.0868	0.0303	0.0	9.0	0.0	5.265-05	7.375-04	4.545-03
5 3 115		30594.55	ī	3240.32	3.0861	0.0303	0.0	0.0	0.0	1.865-05	2.45E-04	1.4503
8 6 101		30879.08	1	3240.34	3.0861	0.0303	0.0	0.0	0.0	4.215-05	5.71F-24	3.446-03
9 7 96		31004.25	ī	3240.80	3.0957	0.0303	0.0	70.0	0.0	4.005-05	6.725-04	4.095-03
16 14 55		32913.75	ī	3240.91	3.0856	0.0303	0.0	9.0	0.0	3-70F-05	6.255-04	4.336-03
12 10 80		31585.85	ī	3241.08	3.9854	0.0303	۸ و ۵	2.0	ດ • ດ	5.705-05	8.415-04	5.32F-03
14 12 68		32115.60	1	3242.36	3.0842	0.0303	0.1	0.0	0.0	5.315-05	8-11F-04	5.32F-03
13 11 74		31793.11	i	3242.92	3.0836	0.0303	0.0	9.0	0.0	5.795-05	A.SAF-ÑA	5.51=-03
4 2 119		30366.41	1	3244.96	3.0817	0.0303	0.0	2.0	2.0	1.28F-05	1.65F-04	9.625-04
6 4 1 10		30492.39	ĭ ·	3245,20	3∙0ื8íŝ	0.0303	0.0	~~~~	9.5	2.02F-A5	3.81F-04	2.24F-13 *
11 9 85		31204.08	i	3245.83	3.0809	0.0303	0.0	0.0	1.045-06	6.215-25	8.69F-04	5.355-03
15 13 61		22344.45	1	3246.78	3.0800	0.0303	0.0	9.ñ	0.0	4.056-05	7.73F→º4	5.155-03
16 14 54		32730.14	1	3247.97	3.9789	0.0303	0.0	0.0	0.0	4.165-05	5.73F-04	4.615-23
7 5 105		30472.55	1	3248.52	3.0783	0.0303	0.0	O.C	2.1	4.056-05	5.295-04	3.105-03
3 1 123		30188.78	1	3240.62	3.9782	0.0303	0.0	0.0	0.0	7.205-06	0.145-05	5.255-04
10 8 SC		30901.00	1	3248.94	3.0779	0.0303	<b>ሶ•</b> ሳ	<b>້</b> າ ໄດ	1.08E-06	6.225-15	8.46E-04	5.11F-03 ["]
12 10 79	80	31315.80	1	3249.67	3.0772	0.0303	0.40	0.0	1.10F-06	5 • 70F-05	0.495-24	5.89E=03
14 12 67		31887.32	i	3250.17	3.0768	0.0303	0.0	2.2	0.0	5.985-05	8.935-04	5.775-03
8 6 100		30534.46	1	3250.26	3.0767	0.0303	0.0	A.O	0.0	5.095-05	6.695-04	3.936→03
9 7 95		30677.52	1	3250.41	3.9765	0.0303	4.0	2.0	1.055-06	5 • 85F - 05	7,795-94	4.635-^3
5 3 114		30199.23	1	3251.09	3.0759	0.0303	0.0	0.0	0.0	2.32F-^5	2.95F-94	1.70F-93
13 11 73		31543.96	1	3251.13	3.0759	0.0303	0.0	9.0	1.05E-06	6.625-05	9.57F-04	6.04F-03
2 0 127	128	30062.09	1	3251.30	3.0757	0.0303	0.0	1.0	0.0	2.62F-06	3.285-05	1.875-04
15 13 èc	*** *	32140.09	1	3254.14	3.0730	0.0303	0.0	9.0	0.0	S.AGF-05	8-41F-04	5.52F-13
11 9 84		30916.14	1	3254.75	3.0724	0.0303	0.0	0.0	1.265-06	7.265-25	0.805-04	G. 08F-03
16 14 53		32549.66	1	3254.77	3.0724	0.0303	0.0	7.n	0.0	4.54=-^5	7.24F-04	4.895-03
6 4 109		30114 - 87	1	3255.68	3.0716	0.0303	0.0	0.0	0.0	3.60E-05	4.54F-74	3*405-03
4 2 118		29956.07	ī	3255.99	3.0713	0.0303	0.0	0.0	2.0	1 - 61 E-05	2.00F-04	1.13F-03
14 12 66		31662-11	1	3257.93	3.0694	0.0303	0 • U	٠.0	1.055-06	5.725-05	0.83F-04	6.25F-^3
10 8 89		30595.13	1	3250.17	3.0692	0.0373	0.0	آ م. ب	1.348-06	7.345-05	9.775-04	5.738-03
12 10 78	-	31048.78	1	3258.21	3.0692	0.0303	0.0	0.0	1.32F-06	7 • 74F -05	1.076-03	6.51F-03
7 5 1C4		30112.89	1	3258.69	3.0697	0.0303	0.0	0.0	2.0	4.945-05	6.235-04	3,56F-03
13 11 72	73	31297.86	1	3259.28	3.1682	0.0303	r•1	ર•ું≎	1.245-06	7.54F-05	J • ሳግF→በጓ	6.61E=03

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE

		٧L	ΔU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT			FFICIENT *	*****
					STATE ENERGY		NUMBER CM-1	LENGTH MI CRON	WIDTH H2	T = 1000	T = 1500	T = 2000	<del>1-1</del> T = 2500	T = 3000	T = 3500
	3		122	1 23	29763.41	1	3259.89	3.0676	0.0303				0 115 06		
	- 9	<del>-</del>	94	95	30353.71	<del>-i-</del>	3259.96	3.0675	0+0303	0.0	0.0	0.0 1.32E-06	9.11E-06 6.99E-05	1.11E-04 9.02E-04	6-21E-04 5-24E-03
	8	6	99	100	30192.72		3260.13	3.0674	0.0303	0.0	0.0	1.18E-06	6.14E-05	7.80E-04	4.49E-03
	15	13	59	60	31938.83	1	3261.44	3.0661	0.0303	0.0	0.0	0.0	6.07E-05	9.13E-04	5.91F-03
	16	14	52	53	32372.31	1	3261.61	3.0660	0.0303	0.0	0.0	0.0	4.96E-05	7.77E-04	. 5.18E-03
	5		113		29806.66	1	3261.82	3.0658	0.0303	0.0	0.0	0.0	2.89F-05	3.54E-04	1.98F-03
	11	9	126 83	84	29621.73 30631.19		3262.81	3.0648	0.0303	0.0	0.0	0.0	3.34E-06	4.02F-05	2.23E-04
	14	12	65	66	31439.99	1	3263.61 3265.63	3.0641 3.0622	0.0303 0.0303	0.0 0.0	0.0	1.54E-06	8.48F-05	1.12E-03	6.66F-03
-	- 6				29740-16	<del>- i</del>	3266.10	3.0618	0.0303	0.0	0.0	1.22E-06	7.54E-05 4.43E-05	1.08F-03 5.39E-04	6.76F-03 3.01F-03
	12	10	77	78	30784.78	ī	3266.68	3.0612	0.0303	0.0	0.0	1.58E-06	8.925-05	1.20E-03	7-195-03
_	4	2	117	118	29548.44	1	3266.96	3.0609	0.0303	0.0	0.0	0.0	2.03E-05	2.42F-04	1.33E-03
	10	8	88	89	30292.22		3267.35	3.0606	0.0303	0.0	0.0	1.65E-06	8 • 67E-05	1.11F-03	6.44F-03
	13	11	71	72	31054.82		3267.37	3.0606	0.0303	0+0	0.0	1-46F-C6	8.57E-05	1.18F-03	7.22F-03
	16	14	51	52	32198.11		3268-38	3.0596	0.0303	0.0	0.0	0.0	5-408-05	8.32F-24	5.49E-03
	15 . 7	13	58 103	59	31740.70 29756.08	1	3268.68 3268.81	3.0593	0.0303	0.0	0.0	1.04E-06	6.72E-05	9.91F-04	6-34F-03
	9	7	93	94	30032.83	<del></del>	3269.45	3.0592 3.0586	0.0303	0.0	- <del>0.0</del>	1.24F-06 1.64F-06	6.C2E-05	7.34F-04 1.04F-03	4.10F-03
	8	6	58	99	29853.86		3269.93	3.0582	0.0303	0.0	0.0	1.50E-06	8.32E-05 7.40F-05	9.10E=04	5 • 93F03 5 • 12E03
304	3		121		29340.73		3271.10	3.0571	0.0303	0.0	0.0	0.0	1.15E-25	1.35E-04	7.32F-04
4		9	82		30349.24	1	3272.41	3.0559	0.0303	0.0	0.0	1.96E-06		1.285-03	7.42F-03
	5		112		29416.86	1	3272.49	3.0558	0.0303	0.0	0.0	0.0	3,50€-05	4 . 24F-04	2.31E-03
	14	12	€4_	65	. 31220.98	1	3273.27	3.0550	0.0303	0.0	0.0	1.40E-06	8.44F-05	1. 18F-03	7+31 <u>E-03</u>
	2		125		29184-00		3274.26	3.0541	0.0303	0.0	0.0	0.0	4.27F-06	4.92F-05	2.64F-04
	12	10	<u>76</u> 50	77 51	30523.82	-	3275.10	3.0533	0.0303		7.0	1 • <u>8</u> 9 E _ 0 6	1 • CRE-04 _	1.35F-13	7.93F-03
	13	11	70	71	30814.84	1	3275.10	3.0533 3.0531	0.0303 0.0303	0.0	0.0	0.0	5.86E-05	8-89F-04	5.80F-03
	is	13	57	58	31545.70	· -i	3275.86	3.0526	0.0303	0.0	<del></del>	1.72E-06	7.42F-05	1.31F-03 1.07F-03	7.PRE-03 6.78F-03
	6		107		29368.25	1	3276.47	3.0521	0.0303	0.0	0.0	1.18E-06	5.456-05	6.405-04	3.486-03
_	10	—. <u>ē</u> .	27	88	29992+29	1	3276.47	3.0521	0.0303	0.0	0.0	2.03E-06	1.02E-04	1.285-03	7.23E-03
	4		116		29143-55		3277.88	3.0508	0.0303	0.0	0.0	0.0	2.54E-05	2.92F-04	1.56F-03
	7		102		29402.14		3278.87	3.0498	0.0303	0.0	0.0	1.58E-06	7.32F-05	8.63F-04	4 7°F→03
	·· ⁹ .	7	. 92 97	<del>93</del>	29714.89 29517.91		3278.90	3.0498	0.0303	. 0.0	_ 0•0	2.04F-06	9+975-05	1.205-03	6.695-03
	14	12	63	64	31005.07		3279.69 3280.85	3.0491 3.0480	0.0303	0.0	0.0	1.895-06	9.905-05	1.065-03	5.425-03
			Ei-	82	30070.30		3281.16	3.0477		0.0	0.0	1.62E-06	9.47F-05 1.15F-04	1.30E→03 1.45E→03	7.88F-03 8.25F-03
	16	14	49		31859.17		3281.75	3.0472	0.0303	0.0	0.0	0.0	6 - 35F-05	9.485-94	5.11F-03
	3		120		28920.75		3282.27	3.0467	0.0303	7.0	0.0	0.0	1.45F-05	1.646-04	9,635-04
	15	13	56		31353.83	1	3283.98	3.0460	0.0303	0.0	2.0	1.33E-06	8 • 18F-45	1-16F-93	7.24F-73
	. 5		111		29029.84	, 1	3283.11	3.0459	0.0303	0.0	0.0	1 •0 2F-06	4.46F-05	5.07F-04	2.69F-03
	13 12	_,11	69	70	30577.96	1	3283.37	3.0457	0.0303	0.0	0.0	2.01= <u></u> 0é	1.10E-04	1.455-03	8.595-03
	10	10	75 86	76 87	30265.92 29695.34	1	3283.47	3.0456	0.0303	0.0	0.0	2.25F-06	1 - 185-24	1.515-23	P.73E-03
	····································		124		28748.94	- 1	3285.54 3285.67	3.0436 3.0435	0.0303	-,, 0.0	0.0	2.49E-06.	1.20E-04 5.43E-06	1.465-03 6.025-05	8.115~03 3.145-24
	6		106		28999.19	i	3286.79	3.0425	0.0303	0.0	0.0	1.53F-06	6 • 69E=05	7.595-04	4.025-03
		7	91	92	29399.89		3288.28	3.0411	0.0303	0.0		2.54E-06	1 • 17E=94	1.38F-03	7.555-03
	16	14	48	49	31694.45	1	3288.34	3.0410	0.0303	0.0	0.0	1.075-06	6.87F-05	1.015-03	6.43E-03
	14	12			30792.28	1	3288.37	3.0410	0.0303	0.0	0.0	1.865-06	1 - 05F-04	1.425-03	8.495-03
	44_		115		28741.41	1.	3288.74	3.0407	0.0303	0.0	0.0	,0.0.	3-185-05	3.52F-04	1.83F-03
	7		101		29051.07		3288.88	3.0405	0.0303	0.0	0.0	2.025-06	8.805-15	1.01E-03	5-3003
	- i i	6	-96 E0		29184.87 29794.40	<b></b>	3289.39	3.0401	0.0303	0 • 0	7.0	2.36E-0V	1.075-04	1.23F-03	6.62F-13
		13		56			3289.84 3290.04	3.0397 3.0395	0.0303	0.0	7.7	2.735-06	1.34F~94	1.645-03	9.165-03
	13	~ 1-3	23	36	31100+11	٠,	2540.04	3.0323	2.0323	0.0	0.0	1.51F-06	8°00E-02	1.26F-03	7.72F-03

VU	٧L	าก	JL	LOWER	CODE	WAVE	, WAVE	HALF	******	** INTEGRAT	ED ** ABSOR CM*G		EFFICIENT *	*****
				STATE ENERGY	<del></del> .	NUMBER CM-1	MICRON	WIDTH H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
13	11	68	69	30344.16	<u> </u>	3291.29	3.0383	0.0303	0.0	0.0	2.35E-06	1.25E-04	1.61E-03	9.356-03
12		74	75	30011.07		3291.77	3.0379	0.0303	0.0	0.0	2+67E-06	1.35E-04	1.69E-03	9.59E-03
3	1		120	28503.48	1	3293.38	3.0364	0.0303	0.0	0.0	0.0	1.83E-05	1.98E-04	1.02E-03
<u>-</u>	3		111	28645.63		3293.68	3.0361	0.0303	0.0	0.0	1.33E-06	5.52E-05	6.06E-04	3.14E-03
10	8	<b>E</b> 5	86	29401.38	1	3294.55	3.0353	0.0303	0.0	0.0	3.05F-06	1.41E-04	1.67E-03	9.08E-03
16	14	47	48	31532.90	1	3294.86	3.0350	0.0303	0.0	0.0	1.18E-06	7.41E-05	1.07E-03	6.76E-03
14	12	61	62	30582.61	1	3295.83	3.0341	0.0303	0.0	0.0	2.13E-06	1.17E-04	1 - 54E-03	9.13E-03
2	0	123	124	28316.55	1	3297.02	3.0330	0.0303	0.0	0.0	0.0	6.91E-06	7.34E-05	3.72E-04
15	13	54	55	30979.55	1	3297.04	3.0330	0.0303	0.0	0.0	1.70E-06	9 • 86 E ~ 05	1.35E-03	8.22E-03
6	4	105	106	28632.97	1	3297.05	3.0330	0.0303	0.0	0.0	1.985-06	8.20E-05	8.98E-04	4.64E-03
9	7	90	91	29087.87	1	3297.61	3.0325	0.0303	0.0	0.0	3.14E-06	1.39E-04	1 • 59E-03	8.50F-03
11	9	79	80	29521.54	1	3298.47	3.0317	0.0303	0.0	0.0	3.29E-06	1 • 55E-04	1.85E-03	1.01E-02
7	5	1 C O	101	28702.89	11	3298.84	3.0314	0.0303	0.0	0.0	2.57E-06	1.08E-04	1.19F-03	6-17E-03
8	6	95	96	28854.77	1	3299.03	3.0312	0.0303	0.0	0.0	2.996-06	1.28E-04	1 • 43E-03	7.52E-03
13	11	€7	68	30113.47	1	3299.14	3.0311	0.0303	0.0	0.0	2.74E-06	1.41F-04	1.77E-03	1.02E-02
4	2	114	115	28342.04	1	3299.56	3.0307	0.0303	0.0	0.0	1.00E-06	3.98F-05	4 • 24F-04	2.15F-03
12	10	73	74	29759.31	1	3300.01	3.0303	0.0303	0.0	0.0	3.17E-06	1.54E-04	1 <u>.88F-03</u>	1.05F-02
16	14	46	47	31374.53	1	3301.33	3.0291	0.0303	0.0	0.0	1.30E-06	7.98E-05	1 • 1 4F-03	7.09E-03
14	12	60	6 t	30376.09	1	3303.23	3.0273	0.0303	0.0	0.0	2.44E-05	1.30F-04	1.68E-03	9.80E-03
10	- '8	£4	85	29110.45	1	3303.51	3.0271	0.0303	0.0	0.0	3 • 7 3E - 0 6	1 • 66E-04	1.90E-03	1.01E-02
15	13	53	54	30797.15	1	3303.97	3.0267	0.0303_	0.0	2.0	1.915-06	1.08F-04	1.46E-03	8.73F-03
5	3	109	110	28264.23	1	3304.19	3.0265	0.0303	0 • 0	0.0	1.74E-06	6.83E-05	7.22F-04	3.64F-03
3	1	118	119	28088.95	1	3304.44	3.0262	0.0303	0.0	0.0	0.0	2.31E-05	2.40E-04	1.20E-03
~ · · • •	~ 7	ÊŞ	90	28778.82	~ ï	3306.88	3.0240	0.0303	5 • 5	0.0	3.89E-06	1 • 65E-04	1.83F-03	9.55F-03
13	11	66	67	29885.90	1	3306.94	3.0239	0.0303	0.0	^.0	3.19E-06	1.58E-04	1.955-03	1.10F-02
11		78	79	29251.72	1	3307.05	3.9238	0.0303	0.0	0.0	3.95F-06	1.70E-04	2.035-03	1 • 1 2F - 0 2
6	4	1 C 4	105	28269.62	1	3307.26	3.0237	0.0303	C+0	0.0	2.55E-06	1.00E-04	1.065-03	5.35F_03
16	14	45	46	31219.36	1	3307.73	3.0232	0.0303	0.0	0.0	1.42F-06	8.576-05	1.205-03	7.43F-03
12	10	72	73	29510.62	1	3308.20	3.0228	0.0303	0.0	0 • 0	3.756-06	1.76F-04		1.12E-55
-~2	٠ ٥	122	123	27886.86	- <u>i</u>	3308.33	3.0227	0.0303	0.0	0.0	0.0	8.77F-96	8.95F-05	4.40F-04
8	6	94	95	28527.61	1	3308.62	3.0224	0.0303	0.0	0.0	3.75E-06	1.53E-04	1.665-23.	A-52F-03
7	<u>"</u> 5	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	100	28357.62	1	3308.74	3.0223	0.0303	0.0	2.0	3.27F-06	1.30F-04	1.39F-03	7.05F-03
4	2	113	114	27945.45	1	3310.32	3.0209	0.0303	0.0	0.0	1 - 32E - 06	4.97F-15	5.09=-94	2.515-03
14	12	<b>^</b> 59	6Ò	30172.71	ì	3310.56	3.0206	0.0303		0.0	2.78E-06	1 . 44E-04	1.836-13	1.055-02
15	13	52	53	30617.92	1	3310.84	3.0204	0.0303	0.0	0.0	2.14E-C6	1.180-04	1.56E-03	9.265-03
10	_ 8	_e3	84	28822.53	1	3312.40	3.0190	0.0303	0.0	0.0	4.55F-06	1.94F-94	2.155-73	1 • 1 36-02
16	14	44	45	31067.38	1	3314.97	3.0174	0.0303	0.0	0.0	1.56F-06		1.27F-03	7.77F-03
Ś	— ;;	iöe	๊า๊อร์	27885.68	. 1	3314.65	3,0169	0.0303	0.0	0.0	2.26F-06	8.44F-05	8•6^F-Q4	4.23F-03
13	11	€5	66	29661.45	1	3314.67	3.0169	0.0303	2.2	0.0	3.705-06	1.478E-04	2.155-73	1 • 1 9F - 9?
3	1	117	118	27677.16	1	3315.45	3.0162	0.0303	0.0	ດ • ຕົ	ເ ຳ	2.01F-05	2.91F-04	1.415-03
11	9	77	78	28984.96	1	3315.56	3.0161	0.0303	0.0	0.0	4.746-06	2.075-04	2.345-03	1.24F-02
. 9	٠,	93	69	28472.78	1	3316.10	3.0156	0.0303	0.0	0.0	4.81F-06	1.95F-04	2.10F-03	1.08E-03
,12	10	71	72	29265.04	1	3316.33	3.0154	0.0303	0.0	1.0	4.42F-06.	2.01F-04	2.34E-23	1 26F-02
` [^] ^6	Ã.	îсз	104	27909.14	'i	3317.41	3+0144	0.0303	0.0	2.0	3.27F-06	1+225-04	1.25F-03	6.16F-03
15	13	51	52	30441.87	1	3317.66	3.0142	0.0303	· 0 • 0	_າ•ູາ	2.39F-06	1.20F-^4	1.686-03	9.81F-03
14	12	58	¹ 59	29972.48	1	3317.84	3.0140	0.0303	0.0	`∩.°o	3.175-06	1.595-04	1.998-73	1.136-02
8	6	53	94	28203.41	1	3318.15	3.0137	0.0303	0.0	<b>0.</b> 0	4 • 6 8F - 0 ¢	1.835-04	1.92E-03	9.654-03
7	5	98	99	28015.28	1	3318.59	3.0133	0.0303	0.0	n.c	4.14=-06	1.578-04	1.62F-03	05F=03
2	, 0	121	122	27459.88	1	3319.58	3.0124	0.0303	0.0	. 2.^	0.•0	1.11F-25	1.09F-14.	5.20F-04
```i6		43	~ 44	30918.60	1	3320.34	3.0117	2.0303	0.4		1.70E-06	0.81F-05	1.34F-03	9-105-03
4	2	112	113	27551.67	1	3321.03	3.0111	0.0303	0.0	0.0	1.745-06	6.19E-05	6 • 1 1F-^4	2.94F-03
10	8	82	83	28537.65		3321.24	3.0109	โ₀∙ดิสดส่	0.0	า•ถ้ ้	5.535-06	2.26F-04	2.465-03	1.265-02
	11	64	65	29440.12		3322.35	3.0099	0.0303	0.0	0.0	4.28F-06	1.995-04	2.365-03	1.295-02

	¥U	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	D ** ABSOR	PTION ** CO	EFFICIENT *	******
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	м-1 Т = 2500	T = 3000	T = 3500
	11	9	76	77	28721.29		3324.02	3.0084	0.0303	0.0	0.0	5.67E-06	· 2.38E-04	2.63F-03	1.37E-02
	12	10	70	71	29022.55	1	3324.40	3.0081	0.0303	0.0	0.0	5.20E-06	2.28E-04	2.60F-03	1.38E-02
	15 5	13	50 107	51 108	30269.01 27509.97	1	3324.41	3.0081	0.0303	0.0	2.0	2.66E-06	1.40E-04	1.79E-03	1.04E-02
	14	12	57	58	29775.43	1	3325.06	3.0075 3.0075	0.0303	0+0	0.0	2.94F-06	1.04E-04	1.02F-03	4.90E-03
_	•	7	£7	88	28169.73	1	3325.26	3.0073	0.0303 E0E0.0	0.0	0.0	3.61E-06	1.76E-04	2.16E-03	1.21E-02
	á		116		27268.14	î	3326.40	3.0073	0.0303	0.0	0.0	5.93E-06	2.30E-04	2.41E-03	1.21E-02
_	16	14	42	43	30773.04	- 1 -	3326.56	3.0061	0.0303	0.0	0.0	1.07E-06 1.85E-06	3.66E-05 1.05E-04	3.52E-04 1.41E-03	1.66E-03 8.44E-03
	6	4	102	103	27551.57	1	3327.51	3.0052	0.0303	0.0	0.0	4.20F-06	1 • 49E-04	1.47E-03	7.08E-03
	8	6	92	93	27882-18	1	3327.63	3.0051	0.0303	0.0	0.0	5.84E-06	2 • 18E - 04	2.22F-03	1.09E-02
	7	5	97	98	27675.87	i	3328.38	3.0045	0.0303	0.0	0.0	5.24E-06	1 - 89E-04	1.89E-03	9.18F-03
	13	11	63	64	29221.95	1	3329.96	3.0030	0.0303	0.0	0.0	4.94E-06	2 • 23E-04	2.595-03	1.39E-02
	10	8	81	82	28255.82	1	3330.02	3.0030	0.0303	0.0	0.0	6.71E-06	2.64E-04	2.79F-03	1.41E-02
	2	0	120	121	27035.63	i	3330.78	3.0023	0.0303	0.0	0.0	0.0	1.41E-05	1.32E-04	6.13F-04
	15	13	49	50	30099.34	1	3331.09	3.0020	0.0303	0.0	0.0	2.96E-06	1.52E-04	1.91F-03	1.09E-02
	4			112	27160.71	1	3331.69	3.0015	0.0303	0.0	0.0	2.29E~06	7.70E-05	7-33F-04	3.43F-03
	14	12	56	57	29581.54	1	3332.21	3.0010	E0E0•0	0.0	0.0	4.09E-06	1.95E-04	2.34E-03	1.295-02
	12	10	69	70	28783.19	1	3332.41	3.0008	E0E0.0	0.0	0.0	6.10E-06	2.59E-04	2.88E-03	1.50E-02
	11	9	75	76	28460.70	_1	3332.42	3.0008	0.0303	0.0	0.0	6.77E-06	2.74E-04	2.95F-03	1.51F-02
}	16	14	41	42	30630.69	1	33,32.71	3.0006	0.0303	0.0	0.0	2.01E-06	1 - 11E-04	1.48E-03	8.776-03
•	9	6	86	87	25188.84	2	3333.06	3.0002	0.0303	0.0	0.0	. 0.0	1 • 01 E-05	7.94F-05	3.24E-04
	5	7	86 106	87	27869.71	1	3334.36	2.9991	0.0303	0.0	0.0	7.29E-06	2.71E-04	2.76E-03	1.36E-02
	7	5	91	92	27137-13	2	3335.41	2.9981	0.0303	0.0	0+0	3.82E-06	1.28E-04	1.21E-03	5+67F-03
	á	6	91	92	27563.95	1	3336.19 3337.05	2.9974	0.0303	0.0	0.0	0.0	9.50E-06	7 • 23E-05	2 + 88F-04
	3		115		26861.92	1	3337.31	2.9967	0.0303	0.0	0.0	7.27E-06	2.59E-04	2.56E-03	1.23E-02
	13	11	62	63	29006.93	ī	3337.52	2.9962	0.0303	0.0	0.0	1.43E-06	4.60E-05	4 • 25E-04	1.95E-03
	6			102	27196.90	1	3337.56	2.9962	0.0303	0.0	0.0	5.69E-06	2.49E-04	2.83F-03	1.50E-02
	15	13	48	49	29932.87	ī	3337.72	2.9961	0.0303	0.0	0.0	5.37E-06 3.28E-06	1.81E-04 1.64E-04	1.73F-03 2.04E-03	8.13F-03 1.15E-02
	7	5	96	97	27339.41	1	3338.11	2.9957	0.0303	0.0	0.0	6.61E-06	2.28E-04	2.04E-03	1 • 05F-02
	10	8	20	81	27977-05	i	3338.75	2.9951	0.0303	0.0	0.0	8.12F-06	3.07E-04	3.16F-03	1.56F-02
-	16	14	40	41	30491.56	1	3338.79	2.9951	0.0303	0.0	0.0	2.18E-06	1 • 18E-04	1.55E-03	9.10E-03
	14	12	55	56	29390.83	1	3339.31	2.9946	0.0303	0.0	0.0	4.63E-06	2+14E-04	2.52E-03	1.386-02
	12	10	68	69	28546+96	1	3340.36	2.9937	0.0303	0.0	0.0	7-15E-06	2.93E-04	3.19E-03	1.64E-02
_	11	9	74	75	28203+20	1	3340.76	2.9933	E0E0.0	0.0	0.0	8.06E-06	3 - 14E-04	3.31E-03	1.66E-02
	8	6	85	66	24900.92	2	3341.65	2.9925	0.0303	0.0	0.0	0.0	1.18E-05	9.04E-05	3.62E-04
_	2		119		26614.14	. 1	3341.93	2.9923	0.0303	0.0	0.0	0.0	1 . 78E-05	1.60E-04	7.23E-04
	4		110		26772.58		3342.29	2.9920	0.0303	0.0	0.0	3.01E-06	9.56E-05	8.77F-04	3.99E-03
_	9	7	£5	86	27572.73		3343.41	2.9910	0.0303	0.0	0.0	8.95E-06	3.19E-04	3-16E-03	1.52E-02
	15	13	47	48	29769.62	1	3344.28	2.9902	0.0303	0+0	0.0	3.63E-06	1 • 77E-04	2.17E-03	1.21F-02
_	16	14	39	40	30355.66	1	3344.81	2.9897	0.0303	0.0	0+0	2.35E-06	1 • 25E-04	1.62E-03	9.425-03
	13	11	61 90	62 91	28795.07		3345.02	2.9895	0.0303	0.0	0.0	6.53E-06	2.77E-04	3.09E-03	1.62E-02
_	- ś		105		24536.65	2	3345.08	2.9895	0.0303	0.0	0.0	0.0	1.12E-05	8.29E-05	3-24F-04
	14	12	54	55 55	26767.18 29203.32		3345.71	2.9889	0.0303	, 0.0	0.0	4.95E-06	1 • 57E-04	1.44E-03	6.56E-03
		- 6	90	91	27248.71	1 /	3346.34	2.9883	0.0303	0.0	0.0	5.22E-06	2.35E-04	2.72E-03	1.47E-02
	6	•	95	76	24250.88	2	3346.97	2.9878		0.0	0.0	9.03E-06	3.07E-04	2.95E-03	1.39F-02
	10	- 7	79	80	27701.36		3347.42	2.9878	0.0303	0.0	0.0	0.0	9.75E-06	7.01F-05	2.68E-04
			100		26845-17	•	3347.55	2.9873	0.0303 ·	0.0	0.0	9.81E-06	3.56E-04	3.57E-03	1.73F-02
_	- -	5	95	96	27005.92		3347.80	2.9870	0.0303	0.0	0.0	6.86E-06 8.33E-06	2.20F-04	2.03E-03	9.32E-03
			114		26458.50	i	3348.16	2.9867	0.0303	0.0	. 0.0	1.90E-06	2.74E-04 5.76E-05	2.57F-03 5.13E-04	1.19F-02 2.29F-03
	3								~ - ~ - ~ - ~	~ ~ ~		10705-00			C - C - V P - U - 3
_	12	10	67	68	28313.86	1	3348.25	2.9866	0.0303	0.0	0.0	8.35E-06	3.31E-04	3.52E-03	1.78F-02

	VÜ	٧L	IJÜ	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT	ED ** ABSORI CM*GI		EFFICIENT *	******
					STATE ENERGY		NUMBER .	LENGTH MICRON	H2 H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	Y = 350
														•	
	8	6	84	85	24615.98	2	3350.18	2.9849	E0E0.0	0.0	0.0	.0.0	1.38E-05	1.03E-04	4.04E-0
	16	14	38	39	30223.00	1	3350.77	2.9844	0.0303	0.0	0.0	2.53E-06	1.32E-04	1.69E-03	9.73E-0
	15	13	46	47	29609.58	1	3350.78	2.9844	0.0303	0.0	0.0	4.00E-06	1.91E-04	2.30E-03	1.27E-0
	9	7	84	85	27278.79	1	3352.40	2.9829	0.0303	0.0	0.0	1.10E-05	3.75E-04	3.61E-03	1.70E-0:
	13	11	60	61	28586.38	1	3352.45	2.9829	0.0303	0.0	0.0	7.48E-06	3.08F-04	3.37E-03	1.74E-0
_	4		109	110	26387.31	1	3352.84	2.9825	0.0303	0.0	0.0	3.94E-06	1.195-04	1.95F-03	4.65F-0
	2		118	119	26195.41	1	3353.03	2.9824	0.0303	0.0	0.0	0.0	2 • 25E-05	1.95F-04	8.54F-0
	14	12	53	54	. 29019.00	1	3353.31	2.9821	0.0303	0.0	0.0	5.87E-06	2.58E-04	2.93E-03	1.56E-0:
	7	5	89	90	24233.98	2	3353.91	2.9816	0.0303	0.0	0.0	0.0	1.32E-05	9.49E-05	3.63F-0
	8	6	89	90	26936.49		3355.73	2.9800	0.0303	0.0	0.0	1.12E-05	3.64E-04	3-39F-03	1.56E-0
	5		104		26400-13	ī	3355.96	2.9798	0.0303	0.0	0.0	6.39E-06	1 • 92E-04	1.70E-03	7.57E-0
	10	- 8	78	79	27428.76	1	3356.03	2.9797	0.0303	0.0	0.0	1.18E-05	4.13E-04	4.03E-03	1.92F-0
	12	10	66	67	28083.91	ī	3356.08	2.9797	C0E0.0	0.0	0.0	9.73E-06	3.73F-04	3.88€-03	1.94E-0
	6	4	94	95	23930-47	2	3356.10	2.9796	0.0303	0.0	0.0	0.0	1.16E-05	8.10E-05	3.03E-0
	16	14	37	38	30093.57	-	3356.67	2.9791	0.0303	0.0	0.0	2.71E-06	1.39F-04	1.75E-03	1.00E-0
	15	13	45	46	29452.77		3357.22	2.9787	0.0303	0.0	0.0	4.40E-06	2.05E-04	2.44E-03	1.33E-0
	11	9	72	73	27697.55	•	3357.26	2.9786	0.0303	0.0	0.0	1.13E-05	4-12E-04	4.13E-03	2.00E-0
_	7		94	95	26675.41	- i	3357.42	2.9785	0.0303	0.0	0.0	1.05E-05	3.28E-04	2.98E-03	1.35E-0
		4						2.9784	0.0303	0.0	0.0	8.74E~06	2.67E-04	2.39F-03	1.07E-0
	6			100	26496+37		3357.49			0.0	0.0	0.0	1.61E-05	1.17E-04	4.49E-0
	8	6	83	84	24334.02	2	3358.66	2.9774	0.0303				7.21E-05	6.18E-04	2.68F-0
	3	1	113		26057.89	_ <u>+</u>	3358.96	2.9771	0.0303	0.0	0.0	2.52E06	3.42E-04	3.66E-03	1.86E-0
	13	11	59	60	28380.87	.1	3359.82	2.9763	0.0303	0.0	0.0	8.55E-06			
_	14	12	52	53	28837.89	<u>i</u>	3360.22	2.9760	0.0303	0.0	0.0	6.59E-06	2.82E-04	3.15E-03	1.66E-0
	9	7	83	84	26987.90	1	3361.33	2.9750	0.0303	0+0	0.0	1.34E-05	4.39E-04	4.11E-03	1.90F-0
	16	14	36	37	29967.39	1	3362.50	2.9740	8050•0	0.0	0+0	2.90E-06	1.46E-04	1.82F-03	1.03E-0
	7	5	88	89	23934.27	2	3362.69	2.9738	0.0303	0.0	0.0	0.0	1.56E-05	1.09E-04	4+08F-0
	4		108		26004.91	1	3363.34	2.9732	0.0303	0.0	0.0	5.15E-06	1.47E-04	1.25F-03	5-40F-0
	15	13	44	45	29299.19		3363.59	2.9730	0.0303	0.0	0.0	4.82E-06	2.20E-04	2.58E-03	1.40E-0
	12	10	65	66	27857.12		3363.85	2.9728	0.0303	0.0	0.0	1.136-05	4.20E-04	4-28E-03	2.10F-0
	2	0	117		25779.47	1	3364.07	2.9726	0.0303	0.0	0.0	1.03E-06	2.84E-05	2.37E-04	1.01F-0
	10	8	77	78	27159.25	1	3364.58	2.9721	0.0303	0.0	0.0	1.42E-05	4.77E-04	4.55E-03	2.13F-0
	8	6	8.9	89	26627.30	· 1	3364.98	2.9718	0.0303	0.0	0.0	1.39E-05	4.32E-04	3.91E-03	1 • 76E-0
	6	4	E2	94	23612.99	2	3365.18	2.9716	0.0303	0.0	0.0	0.0	1.38E-05	9.35E-05	3.43E-0
	11	9	71	72	27449.42	1	3365,43	2.9714	0.0303	0.0	0.0	1.34E-05	4.70E-04	4.60E-03	2.20E-0
	5	3	98	99	23371.00	2	3366.14	2.9708	0.0303	0.0	0+0	0.0	1.09E-05	7.20E-05	2.59F-0
	5	3	103	104	26035.98	1	3366.15	2.9708	0.0303	0.0	0.0	8.24E-06	2.35E-04	2.01E-03	8.73E-0
	7	5	93	94	26347.89	1	3366.99	2.9700	0.0303	0.0	0.0	1.315-05	3.92E-04	3.46E-03	1.53E-0
	14	12	51	52	28659.99	1	3367.07	2.9699	0.0303	0.0	0.0	7.385-06	3.08E-04	3.38F-03	1.75E-0
	8	6	82	83	24055.05	2	3367.08	2.9699	0.0303	0.0	0.0	0.0	1.87E-05	1.32E-04	5.00E-0
	13	11	58	59	28178+56	1	3367.14	2.9699	0.0303	0.0	0.0	9.76E-06	3.80E-04	3.99F-03	2.00E-0
	6	4	98	99	26150.54	1	3367.38	2.9697	0.0303	0.0	0.0	1.11E-05	3.23E-04	2.79E-03	1.22F-0
	16	14	35	36	29844.47	i	3368.27	2.9689	0.0312	0.0	0.0	3.09E~06	1.53E-04	1.895-03	1.06E-0
	3	1	112	113	25660.13	1	3369.71	2.9676	0.0303	0.0	0.0	3.33E~06	9 • 01 E-05	7-43E-04	3.14F-0
	15	13	43	44	29148.84	1	3369.91	2.9674	0.0303	0.0	0.0	5.27E-06	2.36E-04	2.72E-03	1.46F-0
	9	7	82	83	26700.09	ī	3370.21	2.9672	0.0303	0.0	0.0	1.63E-05	5 • 1 4E-04	4.68E-03	2.12E-0
_	7	5	87	88	23637.53	2	3371.42	2.9661	0.0303	0.0	0.0	0.0	1.83E-05	1.24E-04	4+57E-0
	12	10	64	65	27633.50	1	3371.56	2.9660	0.0303	0.0	0.0	1.31E-05	4.72E-04	4.70E-03	2 . 27F-0
-	10	8	75	77	26892.85		3373.07	2.9647	0.0303	0.0	0.0	1.70E-05	5.51E-04	5.11E-03	2.35E-9
	11	9	70	71	27204.43		3373.53	2.9643	0.0303	0.0	0.0	1.58E-05	5.35E-04	5-11E-03	2.40E-0
-	4	2		108	25625.40		3373.79	2.9640	0.0303	0.0	0.0	6.72E-06	1.81E-04	1.49E-03	6.27E-0
	14	12	50	51	28485.31	î	3373.85	2.9640	0.0303	0.0	0.0	8.23E-06	3.35E-04	3.62F-03	1 . 86E-0
•	16	14	34	35	29724.80		3373.97	2.9639	0.0303	0.0	0.0	3.29E-06	1.60E-04	1.95E-03	1.09F-0
		6	87						0.0303	0.0	0.0	1.716-05	5.11E-04	4 • 49E-03	1.986-0
	- 8	- 0		88	26321.15	<u> </u>	3374.18	2.9637	0.0303		V + 0	10/15-02	30116-04	44440-02	10206-

	OWER CODE	WAVE	WAVE LENGTH	HAĽÉ ". WIDTH	*******	INTEGRATE	ก ** Aฮรักค่ค CM*GM		FFICIFNT **	****
	NERGÝ	CM-1	MICRON	H2	T = 1000	τ ≕ 1500		T = 2500	T = 3000	T = 2500
		,								
6 4 52 93 23	298.45 2	3374.20	2.9637	0.0303	. 0.0	0.0	0.0	1 • 64E-05	1.09F-04,	3.86F-C4
		3374.39	2.9635	70.0303	10.0	3.0.	າ້.ນຳຮ−ວ່າ	4.205-04	4.335-43	2.14F-02
		3375.07	2.9629	0.0303	0.0	0.0	1.38F-06	3.58F-05	2.875-04	1.195-03
	779.10 2	3375.45	2.9626	0.0303	0.0	0.0	1.05E-26	2-18F-05	1.50F-04	5.55F-04
5 3 57 98 23	038.65 2	3375.46	2.9525	0.0303	0.0	0.0	0.0	1.31F-05	9.375-05	2.055-04
15 13 42 43 29	001.74 1	3376 . 15	2.9620	0.0303	ື ເ∙າໍ `	0.0	5.74E-16	2.52F-04	2.865-03	1.526-12 "
5 3 102 103 25	674.78 1	3376.29	2.9619	0.0303	0.0		1.06F-05	2 . 88F-04	2.385-03	1.005-02
7 5 92 93 26	023.39 1	3376.51	2.9616	0.0303	ີ່ດ∙ດ ີ່ "	າ•າ ້	~1".64E-~55	4 - 68E-04	4.005-03	1.735-02
	807.67 1	3377.20	2.9610	0.0303	0.0	2.0	1.41F-05	3.905-04	3.26F-03	1.39F-02
9 7 81 82 26	415.37 1	3379.03	2.9594	0.0703	0.0	ັວ•ດ ີ	1.99E-05	6.00E-24	5.325-03	2.375-02
12 10 63 64 27	413.06 1	3379.22	2.9593	0.0303	0.0	0.0	1.52E-05	5 • 23F-04	5 • 16F = 03	2.46F-02
16 14 33 34 29	608.40 1	3379.61	2.9559	0.0321	0.0	0.0	3.48E-06	1.675-04	2.012-03	1.11F-02
	343.78 2	3380.09	2 9585	0.0303	C*U	5.5	1.115-06	2 _• 15F~^5	1.425-04	5.125-04
	265.22 1	3380.40	2.9582	0.0303	0.0	0.0	4.39F-06	1 - 12F-74	8.025-04	3.67F-03
	313.87 1	3380.58	2.9581	_0.0303	0.0	0.0	9.176-06	3.64F-04	3.875-13	1.965-92
10 8 75 76 26	629.57 1	3381.51	2.9573	0.0303	0.0	0.0	2.04F-05	6.34E-04	5.746-03	5.50F-05
13 11 56 57 27	783.53 1	3381.58	2.9572	0.0303	0.0	0.0	1.26F-05	0.64E-04	4.7^F-03	2.29F-02
	962-59 1	3381.58	2.9572	0.0303	0.0	v*0	1.860-05	6.07E-04	5.68F-03	2.62E-05
15 13 41 42 28	857.89 1	3382.34	2.9565	0.0303	0.0	0.0	6.24F-06	2.63F-04	3.90E-03	1.58F-72
	986.86 2	3383.17	2.9558	0.0303	0.0	0.0	1 -0 6E-06	1 . 94F-95	1.24F-04	4.355-04
∞ 8 6 86 87 26	018.06 1	3383.32	2.9557	0.0303	0.0	9.0	2.11F-05	6 • 23F-24	5 • 1 5 = - 2 3	2.235-02
8 6 80 81 23	506.16 2	3363.77	2.9553	0.0303	0.0	2.0	1.27F-06	2.52F~^5	1.605-04	6.15F-04
	248.79 1	3384.18	2.9549	0.0303	0.0	0.0	8.745-06	2.23F-04	1.776-03	7.276-03
5 3 96 97 22	709.22 2	3384.73	2.9544	0.0303	0.0	0.0	0.0	1 • 566-25	9.71=-15	3.35F-04
16 14 32 33 29	495 27 1	3385.18	2.9541	0.0326	0.0	0.0	3.686-96	1.73E-04	2.06F-03	1 • 1 35-02
	701.90 1	3385.97	2.9534	0.0303	0.0	0.0	2.055-05	5.595-04	4.628-03	1.965-78
	956 02 1	3386.01	2.9533	0.0303	0.0	0.0	1.840-06	4.50E-15	3.475-04	1.406-73
	316.52 1	3386.38	2.9530	0.0303	0.0	0.0	1.365-05	3.51F-04	2.B1F-13	1.16F-02
	195.80 1	3386.21	2.9526	0.0303		0.0	1.75F-05	. 5 • 91 E=0A	5.555-03	2.655-02
	467.79" 1	3386.98	2.9525	E0E0.0	0.0	0.0	1.78F-05	4.70E-04	3.816-03	1.595-12
	145.66 1	3387-24	2.9523	0.0303	Ġ+Ġ	0.0	1.025-05	3.04=-04	4.135-07	2.07F-12
	133.74 1	3387.79	2.9518	0.0303	0.0	Λ.o ′	2.415-05	6.99F-74	5.04F-03	5.63E-05
	717.30 1	3386.46	2.9512	0.0303	0.0	0.0	6∙765 −06	2.855-04	3.155-13	1.64F-02
	590.84 1	3388.71	2.9510	0.0303	u • ū	0.0	1.43E-05	5-12F-04	5.085-03	2.4552
	053.02 2	3386.71	2.9510	0.0303	0.0	0.0	1.366-06	2.53E_05	1 • 626-04	5.72F-04
•	723.91 1	3389.57	2.9502	0.0303		0.0	2 - 1 85 - 05	6 • 89F-04	6.205-03	2.065-02
	369.43 1	3389.88	2.9500	0.0303	0.0	ე+ც _	2.435-05	7.295-04	6.445-03	2.P6F-72
	385.40 1	3390.69	2.9493	0.0331	0.0	n • a	3.875-06	1.795-04	2.125-03	1.156-02
	873-19 1	3391.05	2.9489	0.0303	0•6	0.0	5.788-96	1.40E-04	1.075-03	4.285-03
	236.26 2	3392.03	2.9491	0.0303	0.0	7.0	1.538-06	2.925-05	1.01E-04	6+81F-04
	678.24 2	3392.09	2.9480	0.0303		9:0	1.30F-06	2.30F-05	1.42F-04	4.895-04
	718.04 1	3392.41	2.9478	E0E0+0	0.0	6.0	2.60E-05	7-116-04	5.90€ ≥03	2.50F-02
	980.70 1	3393.84	2.9465	0.0303	0.0	٥٠٠,	1 - 1 35 - 05	4.26F-04	4.306-33	2.185-02
	382.73 2	3393.94	2.9464	0.0303	0.0	0.0	1 • 1 1F-0 6	1 + P7E - 05	1 - 1 3 - 0 4	3.805-04
	167.28 2	3394 • 27	2.9461	0.0303	~ 0*0	0.•0	_ 1 • 0 	1 • 30F-05	7,695-05	2.55F-C4
	981.75 1	3394.34	2.9461	0.0303	0.0	0.0	2.015-05	6.59F-04	6.17E-03	2 • 86F-02
	875-10 1	3394.52	2.9459	0.0303	0.0	0.0	1.145-05	2.756-04	2.175-73	8.42F-03
	579.97 1	3394.52	2.9459	0.0303	0.0	n•c '	7.31F-96	3.01F-04	3.295-03	1 • 70F-02
	383.46	3395.37	2.9452	0.0303	0.0	0.0	2.555-05	6.63F-74	5.335-03	2.215-02
	401.37 1	3395.78	2.9448	0.0303	0.0	2.0	1.625-05	5.635-04	5.49F-93	2.61E-02
	9278.82 1 961.22 1	3396.13	2.9445	0.0335	0.0	<u>-2</u> •°€	4 • 9 6F - 9 6	<u>1 • 85</u> E=24 .	2.165-03	1.17E-02
	961.22 1 855.22 1	3396.41	2.9443	0.0303	0.0	n.o	1.74F-05	4 . 27F - 04	3.20E-03	1.33F-02 2.93F-02
9 1 1 80 25	1 23+66	3396.50	C . A 4 4 %	6.0303	0.0	3.0	2.92F-05	8.135-04	6.84F-03	5 4 4 2 E = 1. S

	VU	VL	JU	J٤	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR CM*G		EFFICIENT *:	******
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	6	4	95	96	25130.91	1	3396.70	2.9440	0.0303	0.0	0.0	2+25E-05	5.65F-04	4.44E-03	1.81F-02
	2	-		115	24548.55		3396+90	2.9439	0.0303	0.0	0.0	2.455-06	5.66E-05	4.20E-04	1.645-03
	7	5	84	85	22765.26	2	3397.27	2.9435	0.0303	0.0	0.0	1.66F-06	2 + 96E-05	1 • 85F-04	6.39E-04
	11	9	67	68	26488.41	1	3397.49	2.9433	0.0303	0.0	0.0	2.55E-05	7.79E-04	6.96E-03	3.11E-02
	10	8_	73	74	26112.42		3398.20	2.9427	0.0303	0+0	0.0	2,89E-05	8.37E-04 3.37E-05	7.21F-03	3.146-02
	8	6	78	79	22969.40	2	3400.24	2.9410	0.0303	0.0	0.0	1.84E-06		2 • 15F-04 4 • 67E-03	7.53E-04 2.29E-02
	14 15	12	38	47 39	27818.98 28445.91	1	3400.37 3400.51	2.9409	0.0303	0.0	0.0	1.24E-05 7.87F-06	4.60E-04 3.19E-04	3.436-03	1.76F-02
	12	4	89	39	22372.60	_	3400.96	2.9403	0.0303	0.0	0.0	1.615-06	2+71F-05	1.63E-04	5.49F-04
	8	}	84	85	25421.09		3401.43	2.9399	0.0303	0.0	0.0	3.19E-05	8.36E-04	6.75F-03	2.81F-02
	16	14	29	30	29175.52		3401.51	2.9399	0.0340	0.0	0.0	4.25E-06	1.91E-04	2.21F-03	1-19E-02
		$-\dot{1}$	109		24484.04	 -	3401.63	2.9398	0.0303	0.0	0.0	7.59E-06	1 • 74E-04	1.285-03	4.99F-03
	12	10	60	61	26770.90	1	3401.81	3.9396	0.0303	0.0	0.0	2.31F-05	7.34E-04	6.74F-03	3.07F-02
	13	11	53	54	27215.13		3402.79	2.9388	0.0303	0.0	1.0	1.82F-05	6 . 17E-04	5.926-03	2.78F-12
		3	94	95	22059-18		3403.10	2.9385	0.0303	0.0	2.0	1.39E-06	2.23E-05	1.30F-04	4.30F-04
	<u>5</u>	2	99	100	21825.82		3403.73	2.9380	0.0303	0.0	0.0	1.01E-06	1.57E-05	์ โล ิ กลฅี–กร์ โ	2.01E-04
	7	5	89	90	25068.06		3404.72	2.9371	0.0303	0.0	0.0	3.16F-05	7.885-04	6-14F-03	2.495-02
	4	2	104	105	24504.34	1	3404.80	2.9370	0.0303	0.0	0.0	1.476-05	3.38E-04	2.49E-03	9.74E-03
	9	7	78	79	25579.82	_1_	3405.14	2.9367	0.0303	0.0	0.0	3.52F-05	9.43E-04	7.73F-03	3.25F-02
309	11	9	66	67	26256.09	i	3405.36	2.9365	0.0303	0.0	0.0	2.98E-05	8.805-04	7.695-03	3.398-02
9	7_	5	83	84	22480.53	2	3405.79	2.9362	0.0303	0.0	0.0	2.02F-06	3.45E-05	```5 €Ï ∪Ë-3 4	_7.12E-04
	6	4	54	95	24797.05	1	3406.36	2.9357	0.0303	0.0	0.0	2.84F-05	6.79E-04	5.16E-73	2.06F-02
	5_	,∃_		100	24608.89	1	_3406+38 _	2.9357	0.0303	0.0	0.0	2.22F-05	5.18F-04	3.87E-03	1.52F-02
	15	13	37	38	28315.13	1	3406.44	2.9356	0.0303	0.0	0.0	8 • 4 5E - 0 6	3.36F-04	3.58F-03	1.81F-02
	10	8	72	73	25858.57	1	3406.46	2.9356	0.0303	0.0	0.0	3.43E-05.	9.58F-04		3.45F-02
	16	14	28	29	29075.50	1	3406.82	2.9353	0.0359	. 0.0	0.0	4.43F-06	1.065-04	2.25F-03	1.205-02
	14_	12	. 45.	46.	27660.53	1	3406.85	2.9353	0.0303	0.• 0		1.37F-05	4.955-04	4.95F-33	5.40E-05
	2		113		24143.93		3407.74	2.9345	0.0303	0.0	0.0	3.26F-06	7.105-05	5.07E-04	, 1.93F-03
	<u>. 8</u> 12	6 10	. <u>77</u> 59	78 60	22705.59 26563.26	_ <u>2</u>	3408.39	2.9339	0.0303		0.0	2.20E-06 2.64F-05	3-89E-05 8-15E-04	2.41F-04 .	8.32F-04 3.30F-02
	13	11	59 52	53	27032.14	1	3409.22 3409.73	2.9328	0.0303	0.0	0.0	2.05F-05		6.37F-03	
		4	ee	89	22069.95		3409.77	2.9327	0.0303	~ 0.0	0.0	1.98E-06	6.765-04 3.205-05	1.87F-04	2.96 <u>E-02</u> 6.17E-04
	8	6	83	84	25127-25	1	3410.40	2.9327	0.0303	0.0	0.0	3.91F-05	9.82F-04	7.70F-03	3.14F-12
-	16	14	27	28	28978.78	<u>i</u>	3412.07	2.9308	0.0379	0.0	0.0	4.61E-06	2.01E-04	2.29F-03	1.21F-02
	3			109	24097.80	î	3412.17	2.9307	0.0303	0.0	0.0	9.95F-06	2.15F-24	1.535-03	5.81F-03
			93	94	21738.60	· <u>-</u>	3412.22	2.9306	0.0303	0.0	0.0	1.73F-06	2.665-05	1.515-04	4 86F-04
	15	13	36	3 7	28187.63	ī	3412.31	2.9306	0.0308	0.0	0.0	9.05F-06	3.53E-04	3.71F-03	1.875-02
	4	2	98	99	21487.30		3413.13	2.9299	0.0303	0.0	0.0	1.28E-06	1.90F-05	1-05F-04	3.32F-04
	11	9	65	66	26026.96	1	3413.17	2.9298	0.0303	0.0	0.0	3.476-05	0.01E-14	8-48E-03	3.67F-72
	_ 1Å	12	44	45 ^	27505.34	1	3413.26	2.9299	ี ∘ึ∙ง3กิ่3	0.0	0.0	ั่ว 🕶 รกตั~ก็ธ์ 🎽	5.31F-04	5.235-03	2.51F-92
	9	7	77	78	25307-56	1	3413.73	2.9293	0.0303	0.0	2.0	4.24F-05	1.098-13	8.725-93	3.60F-02
	- ₇	5	e'e''	89	24755.73		3414.01	2.9291	0.0303	0.0	0.0	3.935-05	9.35E-14	7.08F-03	2.81F-02
	7	5	82	63	22198.82	2	3414.24	2.9289	0.0303	0.0		2.45F-06	4.02F-05	2.38F-04	7.935-04
	10	8	71	72	25607.89	1	3414.66	2.9285	0.0303	0.0	0.0	4.07F-05	1.09F-03	8・99年-93	3.79=-02
	4			104	24136,54	1	3415.03	2.9282	0.0303	0.0	0 •	1.005-05	4 . 14E-04	2.95F-03	1-156-05
	6	4	93	94	24466.21	1	3415.97	, 2.9274	0.0303	0.0	0.0	3+56E-05	8-14E-04	5.99F-03	5-336-05
	5_	3	_ 58_	. 99 .	24259.57	.1	3416.30	2.9271	0.0303		0 • 0	.2.835-05_	., 6.295-04.	4.53F-03	1.74F-02
	8	6	76	77	22444.85		3416.49	2.9270	0.0303	0.0	0.0	2.625-06	4.47F-05	2.71F-04	9.175-4
	12	10	58	59	26358.85	1	3416.57	2.9269	0.0303	<u> </u>	0.0	3 <u>_•0</u> 2F05	9.05F-04	7+39F-03	3.54E-^2
	13	11	51	52	26852.39		3416.62	2.9269	0.0303	0.0	0.0	2.29F-05	7.38F-04	6.84F-03	3-14F-02
	16	.1.4	26	27	28885.35		3417.25	2.9263_	0.0398	. 0.0	00	4.78E-06	2.06F-04	77,350-03	1.225-02
	15	13	35	36	28063.42		3418.11	2.9256	0.0312	0.0	9.0	9.66F-06	3.705-04	3.855-03	1.925-02
	2	0.	1 i s	113	23742-18		3418.52	2.9252	_ n. ĝ3n3	0.0	<u>. 9.9 </u>	4.35E-06	8.88F-05	6.10F-94_	5.50E-03

	VU	٧L	JU	JL.	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRATE			EFFICIENT *	******
					STATE		NUMBER	LENGTH	WIDTH	····		CM*GI			
					ENERGY		CM-1	MICRON	HS	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	6	4	87	88	21770.31	2	3418.53	2.9252	0.0303	0.0	0.0	2.44E-06	3.778-05	2.14F-04	6.93F-04
	8	6	62	83	24836.50	1	3419.32	2.9246	0.0303	0.0	0.0	4.78E-05	1.15E-03	8.78F-03	3.51E-02
	14	12	43	44	27353.43		3419.61	2.9243	0.0303	0.0	0.0	1.64E-05	5.69E-04	5.53E-03	2.62F~02
	11	9	64	65	25801.04		3420.92	2.9232	0.0303	0.0	0.0	4.03E-05	1.11E-03	9.33E-03	·3·98E-02
	5	3	92	93	21420-99	22	3421.27	2.9229	0.0303	0.0	0.0	2 • 1 5E-06	3.16E-05	1.74E-04	5.49F-04
	9	7	76	77	25038.44	1	3422+26	2.9220	0.0303	0.0	0.0	5.09E-05	1.26E-03	9.83E-03	3.98E-02
-	16	14	25	26	28795.22		3422.37	2.9220	0 • 04 1 B	0.0	0.0	4.93E-06	2.10E-04	2.34F-03	1.23E-02
	4	2	97	98	21151.72		3422.49	2.9218	0.0303	0.0	0.0	1.61E-06	2.28F-05	1.22E-04	3.78F-04
	 3		107	108	23714.48	1	3422.65	2.9217	0.0303	0.0	0.0	1.30E-05	2 • 67E-04	1.83F-03	6.76F-03
	10	5	81 70	82 71	21920.16	2	3422.65	2.9217	0.0303	0.0	0.0	2.96E-06	4.68E-05	2.70F-04	8.82F-04
		<u>8</u> 5	27	- 28	25360.39		3422.80	2.9216	0.0303	0.0	0.0	4.80E-05	1.25F-03	1.00E-02	4 • 15F-92
	13	11	50	51	24446.47	1	3423.24	2.9212	0.0303	0.0	0.0	4 87E-05	1.11E-03	8.15E-03	3-17F-02
* rem*	15	13-	34	35	27942.50		3423.44	2.9210	0.0303	0.0	0.0	2.56E-05	8 • 05F - 04	7.33F-03	3.32E-02
		10	57	58	26157468	1	3423.86	2.9207 2.9207	0.0317 0.0303	0.0	0 • 0 0 • 0	1.03E-05 3.44F-05	3.87F-04	3.98F-03	1.97E-02
	12	<u>-</u>	75	7 6	22187.18		3424.54	2.9201	0.0303	0.0	0+0	3.12F-06	1.00E-03 5.13E-05	8.69E-03 3.03F-04	3.80E-02
	4	_		103	23771.70	ī	3425.21	2.9195	0.0303	0.0	0.0	2.45F-05	5.07E-04	3.49F-03	1.01E-03 1.30F-02
	6	-4	52	93	24138.43		3425.52	2.9193	0.0303	0.0	7.0	4.47E-05	9.73F-04	6.95F-03	2.655-02
	14	12	42	43	27204.80	ī	3425.89	2.9189	0.0303	0.0	0.0	1.79E-05	6.085-04	5.82E-03	2.74F-02
မ	5	<u> 12</u>	97	98	23913.24	1	3426.17	2.9187	0.0303	0.0	0.0	3.60F-05	7.60F-04	5.316-03	1.99E-02
<u> </u>	6	4	86	87	21473.68	2	3427.24	2.9178	0.0303	0.0	0.0	3.00E-06	4.44F-05	2.45E-04	7.776-04
	16	14	24	ž5^	28708.40	<u>1</u>	3427.42	2.9176	0.0437	0.0	0.0	5.07E-06	2.13E-04	2.36E-03	1.23F-02
	8	6	81	82	24548.88	1	3428.17	2.9170	0.0303	0.0	0.0	5.92F-05	1.35F-03	9.99F73	3.92E-02
	11	9	63	64	25578.32	``i	3428.61	2.9166	0.0303	0.0	0.0	4.66E-05	1.25E-03	1.02F-02	4.31F-02
	2		111	112	23343.33	. 1	3429.25	2.9161	0.0303	0.0	0.0	5.71F-06	1-115-04	7.34E-04	2.656-03
	15	13	33	34	27824.87	1	3429.53	2.9159	0.0321	0.0	0.0	1.09E-05	4.04F-04	4-10F-03	2.01E-02
	13	្11	49	50	26502,68	1	3430.20	2.9153	0.0303	0.0	0.0	2.86E-05	8.75F-04	7.84E-03	3+51F-02
	Š	3	51	92	21106.37	2	3430.28	2.9152	0.0303		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2.67E-06	75F-05	2.07E-04	6-19F-04
	9	7	75 .	_ 76_	247,72.47	. 1	3430.73	2.9148	0.0303	0_0	0.0	_6.11E-05	1.46F-23	1.11E-02	4.40F-02
	10	8	69	70	25116.07		3430.89	2.9147	0.0303	0.0	0.0	5.66F-05	1.425-03	1+11F-02	4.53E-02
-	7	_ 5	80	. 81	21644.55	2	3431.00	2.9146	_0.0303 __	. 0.•0 <u>- 1</u> -		3.58E-96	5.44E-05_	3.05F-04	9,79F-04
	12	10	56	57	25959.75	1	3431.09	2.9145	0.0303	0.0	0.0	3.925-05	1.11E-03	9.43E-03	4.07F+02
	. 3	1	101	102	20612.63		3431.78	2.9139	0.0303	6.0	0.0	1.20F-06	1 • 58 E-05	B.01F-05	2.30F-04
	4	2	96	97	20819.09	2	3431.79	2.9139	0.0303	0.0	0.0	2.03F-06	2.74E-05	1.42F-04	4.30F-04
-	- 14 16	- 12	41 23	. 42 24	27059.45	•	3432.11	2.9137	0.0303	0.0	_0•0	1.955-05	6.48F-04	6.12F-03	2 • 42E-05
	7	14	25 86	87	28624.89 24140.31	1	3432.40	2.9134	0.0457	0.0	0.0	5-19F-06	2+16E-04	2.375-03	1 • 23F-92
	····		74		21932.59	2	3432.42	2.9134, 2.9133	0.0303	0.0		6 02F-05	1 - 31 F-03	9 - 37F - 0 3	3.57F-02
	3				23334.10	1	3433.09	2.9133	0.0303		^.^	3.71E-06	5.88F-05	3.30F-14	1-116-03
	6	4	51	92	23813.70	1	3435.01	2.9125	0.0303	9•0 0•0	. 0.0	1.70E-05	3.296-04	2.19E-03	7.85E-03
	15	13	32	33	27710.55	1	3435.13	2.9111	0.7326	0.0	0.0	5.59E-05 1.14E-05	1.16F-03 4.20F-04	8.045-73	7.00=-02
	4		101	102	23409.84	i ·	3435.33	2.9109	0.0303	2.0	0.0	3+15=05	5.195-04	4.2?F=13 4.125→13	2.055-02
	6	4	65	86	21180.08	2	3435.89	2.9105	0.0303	0.0	9.0	3.67F-06	5.22F-05	2.80F-04	1.49F-02 8.70F-04
	5	3	96	97	23569.94	1	3435.98	2.9103	0.0303	2.0	0.0	4.57E-05	0.185-04	6.275-03	2.275-02
	11	9	62	63	2535B.84	i	3436.23	2.9102	0.0303	0.0	7.2	5.396-05	1.40=-03	1.125-02	4.655-12
	13	11	48	49	26332.73	i	3436.90	2.9096	0.0303	0.0	7.0	3.185-05	9.405-04	9.37F=13	3.70F-02
	8	6	80	18	24264.39	ì	3436.97	2.9095	0.0303	0.0	0.0	7.08F-05	1.575-03	1.145-02	4.36=-02
	16	14	22	23	28544.68	1	3437.32	2.9092	2.0476	0.0	2.0	5.29F-06	2 • 17F=04	2.37F=43	1.225-02
	12	10	55	56	25765.06	i	3438.25	2.9085	0.0303	0.0	0.0	4.456-05	1.22=-13	1.026-02	4.35F-02
	14	12	40	41	26917.39		3430.27	2.9084	0.0303	0.0	0.0	2-125-25	6.89E-04	6.42F-13	2.065-45
	10	8	68	69	24874.95	1	3438.91	2.9279	0.0303	0.0	0.0	6.65=-0=	1.616-03	1.235-12	4.95E-02
	9	ź	74	75	24509.67	_	3439.15	2.9777	0.0303	0.9	0.0	7.305-05	1.685-03	1.245-02	4.855-02
	5	3	50	91	20794.75		3439.24	2.9276	0.0303	0.0	0.0	3.31F-06	4.45E-05	2.30F-04	6.96E-34
	=	_				_		.,		****				2 4 10010 - 74	· •

์ ซับ	VĹ	Ju	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORF		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 350
7	5	79 110	80	21372.00		3439.30	2.9076	0.0303	0.0	0.0	4.31E-06	6.30E-05	3 45E-04	1.08F-0
2			111	22947.38		3439.93	2.9070	0.0303	0.0	0.0	7.54E-06	1.395-04	8.82F-04	3.106-03
8 _15	6_	73	. 74	21681.10		3440.46	2.9066	0.0303	0.0	0.0	4.40E-06	6.72E-05	3.79F-04.	1.22E-0
15	13	ŽÍ	32	27599.54	-	3440.68	2.9064	0.0331	0.0	0.0	1.21E-05 2.55E-06	4.35E-04 3.28E-05	4.33E-03 1.65E-04	2.09F-0: 4.88F-0:
-4.3	2	95	96	20489.43		3441.04	2.9061	0.0303	0.0	0.0	1.53E-06	1.91E-05	9.39F-05	2.745-0
7	5	25	86	23837.25		3441.54	2.9057	0.0303	0.0	0.0	7.42E-05	1.55E-03	1 07E-02	4.015-0
16	1 -	21	22	28467.79		3442.17	2.9051	0.0496	0.0	0.0	5.37F-06	2-18E-04	2.36E-03	1.21F-0
3	i	105		22956.67		3443.45	2.9041	0.0303	0.0	0.0	2.21E-05	4 - 06 E-04	2.59E-03	9.10F-0
`13	771	47	48	26166.05		3443.53	2.9040	0.0303	0.0	0.0	3.52F-05	1.03E-03	8.91E-03	3.90F-0
11	9	61	62	25142.58	1	3443.80	2.9038	0.0303	0.0	0.0	6.21E-05	1.56E-03	1.23F-02	5.02E-0
14	12	39	40	26778.63	1	3444.36	2.9033	0.0303	0.0	0.0	2.29E-05	7.30E-04	6.72F-03	3 • 07F-0:
6	4	90	91	23492.04		3444.45	2.9032	0.0303	0.0	0.0	6.97E-05	1.38E~03	9.29F-03	3.39F-0
6	4	84	85	20889.52		3444.49	2.9032	0.0303	0.0	0.0	4.48E-06	6-11E-05	3 • 1 9E-04	9.72E-0
12.	_10	54_	55	25573.64	1	3445.36	2.9025	0.0303	0.0	0.0	5.03E-05	1.35E-03	1.10E-02	4.65F-0
4	2		101	23050.98		3445.39	2.9024	0.0303	0.0	0.0	4.05E-05	7.55E-04	4.85F-03	1.72E-0 4.85E-0
8		79	60	23983.04		3445.71	2.9022	0.0303	0.0	0.0	8.58E-05	1.83F-03 1.11E-03	1.29F-02 7.24F-03	2.59F+0
5 15	3 13	95 30	96 31	23229.68	1	3445.73 3446.16	2.9021 2.9018	0.0303 0.0335	0.0	0 • 0 0 • 0	5.78E-05 1.27E-05	4.50E~04	4.43E-03	2 • 13E-0
10	- 13	67	68	24637.04		3446.87	2.9012	0.0303	0.0	0.0	7.80E-05	1.83E-03	1 - 37E-02	5.39F-0
16	14	20	21	28394.22		3446.96	2.9011	0.0515	0.0	0.0	5.43E-06	2.19E-04	2.35€-03	1'-20E-0
	 7	- 73	74	24250.05		3447.50	2.9007	0.0303	0.0	0.0	8.70E-05	1.93E-03	1.39E-02	5.34F-0
7	5	78	79	21102.53	-	3447.54	2.9006	0.0303	0.0	0.0	5.18E-06	7 • 29F~05	3.88F-04	1.20E-0
s	<u>-</u> 3	28	90	20486.14		3448.14	2.9001	0.0303	0.0	0.0	4.09E-06	5.26E-05	2.64E-04	7.83F-0
8	6	72	73	21432.71	2	3448.34	2.8999	0.0303	0 • 0	0.0	5.21E-06	7.67E-05	4.22F-04	1.33E-0
13	11	46	47	26002.67	1	3450.10	2.8985	0.0303	0.0	0.0	3.89E-05	1.11E-03	9.48F-03	4 - 10E-0
4	. 2	94	95	20162.75		3450.24	2.8983	0.0303	0.0	0.0	3.19E-06	3.92E-05	1.91F-04	5.53E-0
14			39	26643.18	1	3450.39	2.8982	0.0303	0.0	0.0	2.47E-05	7.725-04	7.01E-03	3.17F-0
2.		109		22554.35		3450.56	2.8981	0.0303	0.0	0.0	9.94E-06	1.72E-04	1.06E-03	3.62E-0
7	- 5	e4	85	23537.30	_	3450.60	2.8980	0.0303	0.0	,0.0	9.13E-05	1.83E-03	1.23E-02	4.50E-0
3	$\frac{1}{9}$	60	100	19920-19		3450-81	2.8979	0.0303	0.0	0.0	1.95E-06 7.14E-05	2.31E-05 1.74E-03	1.10F-04 1.34E-02	3.13F-0 5.40E-0
11		29	61 30	24929.57 27387.45		3451.31 3451.57	2.8975 2.8972	0.0303 0.0340	0.0	0.0	1.33F-05	4.64E-04	4.52E-03	2.15E~0
16	14	19	_ <u>30</u>	28323.98		3451.68	2.8971	0.0535	0.0	0.0	5.47E-06	2.18E-04	2.32F-03	1.18E-0
12	10	53	54	25385.48		3452.40	2.8965	0.0303	0.0	0.0	5.68F-05	1.48E-03	1.19E-02	4.95E-0
6	4	- 23 -	84	20602.01		3453.04	2.8960	0.0303	0+0	0+0	5.47E-06	7.15E-05	3.63E-04	1.09E-0
3	1	104	_	22582.21	1	3453.78	2.8954	0.0303	0.0	0.0	2.87E-05	5.00E-04	3.08E-03	1.05E-0
6	4	89	90	23173.46	1	3453.84	2.8953	0.0303	0.0	0.0	8.68E-05	1.656-03	1.07F-02	3.82E-0
8`	6	78	79	23704.85	11	3454.39	2.8949	0.0303	0.0	0.0	1.04E-04	2.13E-03	1.46E-02	5.39F-0
10	8	66	67	24402.34	1	3454.78	2.8945	0.0303	0.0	0.0	9.12F-05	2.06E-03	1.51E-02	5 • 87E-0
4	2		100	22695.13		3455.41	2.8940	0.0303	0.0	0.0	5-186-05	9.19E-04	5.71F-03	1 • 97E - C
5	3		95	22892.46		3455.43	2.8940	0.0303	0.0	0.0	7.30E-05	1.33E-03	8.44E-03	2.95E-0
7	5	77	78	20836-14		3455.73	2.8937	0.0303	0.0	0.0	6.22F-06	8.41F-05	4.37F-04	1.33E-C
9	7	72	73	23993.62		3455.80	2.8937	0.0303	0.0	0.0	1.04F-04	2.21F-03	1.56E-02	5.88F-0
16	14	71	72	28257.05		3456.16	2.8934	0.0303	0.0	0.0	6-14E-06 5-47E-06	8.74E-05 2.16E-04	4.70E-04 2.29E-03	1 • 1 6F-0
14	12	37	36 17	26511.04		3456.36	2.8932	0.0303	0.0	0.0	2.66E-05	8 • 15E=94	7.31F-03	3.28E=0
13		45	46	25842.57		3456.61	2.8930	0.0303	0.0	0.0	4.29E-05	1.20E-03	1.01E-02	4.31E-0
15		26	29	27286.39		3456.92	2.8927	0.0359	0.0	0.0	1.396-05	4.78E-04	4.61E-03	2.18F-0
5	3	83	89	20180-55		3456.98	2.8927	0.0303	0.0	0.0	5.05E-06	6.22E-05	3.04E-04	8.81F-0
11	9	59	60	24719.80		3458.76	2.8912	0.0303	0.0	0.0	8-18E-05	1.946-03	1.46E-02	5.81E-0
12	10	52	53	25200.61		3459.38	2.8907	0.0303	0.0	0.0	6.39E-05	1.62E-03	1.28F-02	5.26E-0
			94	19839.07		3459.38	2.8907	ó÷0303	0.0	0.0	3.99E-06	4.68E-05	2.21F-04	6.26E-0

VE) VĻ	JŪ	JL	LOWER	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	D ** ABSORF		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7	7 5 3 1	E9 82	84 99	23240.48 19578.40	1	3459.61	2.8905	0.0303	0.0	0.0	1.12F-04	2.155-03.	1.415-02	5-055-22
16			18	28193.46	2	3460.25 3460.92	2.8900 2.8894	0.0303 0.0568	0.0	0+0	2.47F-06	2.79E-05	1.28E-04	3.58F-^4
	0			22164.27		3461.13	2.8892	0.0303	0.0	- 0.0	5.45E-06	2.14F-04	2.25E-03 1.27E-03	1.[3E-02. 4.22F-03
•	5 4	82	83	20317.56	2	3461.53	2 . 8889	0.0303	0.0	0.0	6.65E-06	8.35F-05	4-136-04	1.21E-03
15	5 13	27	28	27188.66	<u>i</u>	3462.20	2.8883	0.0379	0.0	0.0	1.45E-05	4.90=-04	4.69F-03	2.205-02
14			37	26382.21	_1	3462.26	2.8883	0.0308	0.0	0.0	2.85E-05	8.57E-04	7,596-03	3.38F-02
10			66	24170.88	1	3462.62	2.8880	0.0303	0.0	0.0	1.06E-04	2.33E-03	1.67F-02	6.38E-02
	36		78	23429.83	ļ	3463.02	2.8877	0.0303	0.0	0.0	1.25E-04	2.47F-03	1.65F-02	5.98F-02
13			_	25685.79	1	3463.06	2.8876	0.0303	0.0	0.0	4.71E-05	1.28E-03	1 • 06F-02	4.516-02
	5 4		89	22857.99	- <u>-</u>	3463.17	2.8875	0.0303	0.0	0.0	1.08E-04	1.96E-03	1.24F-02	4.32F-72
	7 5		77	20572.85	2	3463.86	2.8870	0.0303	0.0	0.0	7-44F-06	9.60E-05	4.915-04	1.46F-03
	7		<u>71</u>	23740.39	- <u>2</u>	3463.93 3464.03	2.8869	0.0303	0.0	~ %• %~~~~	7.23E-06		5.22F=04	
		103		22210.73	1	3464.04	2.8868 2.8868	0.0303	0 • 0 0 • 0	7.0	1.23E-04	2.53E-03	1.745-02	6.45F-02
	<u> </u>		94	22558.31	<u>i</u>	3465.08	2.8859	0.0303	0.0	0.0	3.72E-05 9.20E-05	6.15F-04 1.60E-03	3.65F-93 9.81F-03	1.55E-05
	4 2		99	22342.30	ī	3465.36	2.8857	0.0303	0.0	0.0	6.62E-05	1.125-03	6.715-03	7.36E-02
10	5 14	16	17	28133.20	- i	3465.43	2.8856	0.0585	0.0		5.40E-06	2.09E-04	2.19F-03	1.105-02
	5 3	87	89	19878.00	2	3465.78	2.8854	0.0303	0.0	0.0	6-23E-06	7.35E-05	3.48F-04	9.91F-04
9 1 1 3 12	9	58	59	24513.30	1	3466.14	2.8851	0.0303	0.0	5.0	9.37E-05	2.16E-03	1.60E-02	6.25E-02
			52	25019.01	1	3466.30	2.8849	0.0303	0.0	0.0	7.17E-05	1.78F-03	1.38F-02	5.595-02
15			27	27094.25	1	3467-42	2.8840	0.0398	0.0	0.0	1.50E-05	5.01E-04	4.76F-33	2.22E-02
14			36	26256.71	1	3468.10	2 • 8834	0.0312	0.0	0.0	3.04E-05	9.00E-04	7.87F-03	3.47F-02
	2		93	19518.39	2	3468.48	2.8831	0.0303	0.0	0.0	4.98F-06	5.57F-05	2.55E-04	7.08E-04
13	5		83	22946.81	<u>L</u>	3468.56	2.8830 _	0.0303	0 • 0	0.0	1.37E-04	2 • 52E - 03	1.61F-02	5.65E-02
	3 11	43 97	98	25532.30 19239.58	1 2	3469.44	2.8823	0.0303	0.0	0 • 0	5.175-05	1.385-03	1 - 12F-02	4.72E-02
·- 16			16	28076.27		3469.64	2.8821	0.0303	<u></u>		3.1SE-06	3.36F-05	1 .50F_04_	A.08F-04
			82	20036-19	ż	3469.97	2.8819	0.0591 0.0303	0.0	0.0	5.32F-06	2.04E-04	2.13E-03	1.06F-02
10			65	23942.65		3470.41	2.8815	0.0303	0.0	0.0	8.07E-06 1.24E-04	9.73F-05 2.62E-03	4.68F-04	1.35E-03 6.92E-02
	5 6		77	23157.98	ī	3471.59	2.8805	0.0303	0.0	0.0	1.51F-04	2.86E-03	1.86F-02	6.63E-02
	3 6	69	~ 7ö	20706.29	2	3471.65	2.8805	0.0303	0.0	0.0	8.48E-06	1.13F-04	5.79E-04	1.745-03
2		107	108	21777.14	1	3471.65	2.8805	0.0303	0.0	0.0	1.71E-05	2.66F-04	1.525-03	4.91F-03
	7 5	75	76	20312.67	'nż i	3471.94	2.8802	0.0303	0.0	0.0	8.88E-06	1.11F-04	5.51F-04	1.61E-03
	9 7		71	23490.38	1	3472.21	2.8800	0.0303	0.0	0.0	1.45E-04	2.896-03	1.946-02	7.076-02
	6 4		88	22545.62	1	3472.44	2.8798	0.0303	0.0	0.0	1.34F-04	2.33F-03	1.43F-02	4.88E-02
13 12	13		26_	27003.18		3472.57	2.8797	0.041B	0.0	0.0	1.55F-05	5-11F-04	4, 81F-03	2.23F-02
11			51 58	24840.71 24310.07	1	3473-16	2.8792	0.0303	0.0	0.0	8.03F-05	1 • 94E-03	1.49F-02	5.92F-02
14			35	26134.53	- 🗄	3473.47	2.8790	0.0303	0.0		1.07E-04	2 • <u>39</u> E+03_	1.74F-02	
	3 1	_		21842.26	1	3474.26	2.8786 2.8783	0.0317	0.0	0.0	3.24E-05	9.416-04	8.15E-03	3.565-02
1			15	28022.67	i	3474.27	2.8783	0.0303 0.0597	0.0	0.0	4.81E-05	7.54F-04	4.32F-03	1.41E-02
			87	19578.50	2	3474.52	2.8781	0.0397	0.0	0.0	5.20E-06 7.67E-06	1 • 98E-04 8 • 66F-05	2.06E-03 3.99F-04	1.02F-02 1.11E-03
7,000	3		93	22227.24		3474.67	2.8780	0.0303	0.0	0.0	1.16E-04	1.92F-03	1.14E-02	3.81F-02
	4 2	•	98	21992.52	1	3475.27	2.8775	0.0303	0.0	0.0	8-445-05	1 • 35E-03	7.87E-03	2.596-02
13	3 11	42	43	25382.13	1	3475.76	2.8771	0.0303	0.0	0.0	5.64E-05	1.47E-03	1.19F-02	4.92F-02
-, - 1	75		82	22656.29	1	3477.45	2.8757	0.0303	0.0	1 - 1 4E-06	1 - 68E-04	2.95E-03	1.83E-02	6.31E-02
	4 - ž		92	19200.73	2	3477.52	2.8756	0.0303	0.0	0.0	6.19E-06	6.63E-75	2.94E-04	8.00F-04
15	PATE WALL	4 244 4	25	26915.45	1	3477-66	2.8755	0.0437	0.0	0.0	1.60F-05	5_20F-04_	4.85F-03	2.23F-02
10			64	23717.67	-	3478.13	2.8751	0.0303	0.0	0.0	1.44E-04	2.955-03	\$•05E-05	7.49F-02
	5 4		81	19757.90	2	347E.36	2.8749	0.0303	0.0	0.0	9.76E-06	1-13E-04	5.31F-04	1.506-03
16			14	27972.41	1	3478.59	2.8747	0.0604	0.0	0.0	5.05E-06	1.91E-04	1.986-03	0.80F-03
;	3 1	96	_97_	18903-75	ž,	3478.98	2.8744	0.0303	0.0	0.0	3.94E-06	<u>4.0</u> 4E-05_	1.74F-04	_ 4.64E-04

VU	VL.	JU	JĻ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRAT	ED ** ABSOR CM*G	PTION ** CO M-1	EFFICIENT *	******
				ENERGY		CH-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	Υ = 350
8	6	68	69	20470-42	2	3479.30	2.8741	0.0303	0.0	0.0	9.93E-06	1.28E-04	6.40E-04	1.90F-0
14	12	33	34	26015.68	1	3479.58	2 - 8739	0.0321	0.0	0.0	3.44E~05	9.82E-04	8.41E-03	3.64E-0
7	_ 5	74	75	20055.60	2	3479.96	2.8736	0.0303	0.0	0.0	1.06E-05	1.28E-04	6.17E-04	1.785-0
12	10	49	50	24665.70	1	3479.96	2 • 8736	0.0303	0.0	0+0	8.96E-05	2.11E-03	1.59E-02	6.27E-0
8	6	75	76	22889.33	1	3480.09	2.8735	0.0303	0.0	1.17E-06	1.81E-04	3.30F-03	2.09E-02	7.33F-9
9	7	69	70	23243.58	1	3480.33	2.8733	0.0303	0.0	1.02E-06	1.7.2E-04	3.29E-03	2.16E-02	7.74E-0
11	9	56	57	24110-11	1	3480.73	2.8730	0.0303	0.0	0.0	1 • 22E → 0,4	2 • 65E-03	1.89F-02	7.19E-0
6	4	86	87	22236.39	1	3481.65	2.8722	0.0303	0.0	1.25E-06	1.66E-04	2.76E-03	1 - 64E-02	5.50F-0
13	11	41	42	25235.28	1	3482.02	2.8719	0.0303	0.0	0.0	6 • 15E-05	1 • 57E-03	1.25E-02	5.13E-0
2	0	106	107	21392.98	1	3482.12	2.8718	0.0303	0.0	0.0	2.24E-05	3 • 29E ~ 04	1.81F-03	5.72E-0
15	13	23	24	26831.07	1	3482.68	2.8714	0.0457	0.0	0.0	1.64E-05	5.26E-04	4.87E~03	2.23E-
16	14	12	13	27925.50	1	3482.84	2.8712	0.0610	0.0	0.0	4.88E-06	1.83F-04	1.89E-03	9.32E-0
5	3	e 5	86	19282.05	2	3483.21	2.8709	0.0303	0.0	0.0	9.41F-06	1.02F-04	4.56E-04	1.25F-0
5	3	91	92	21899.26	1	3484.20	2.8701	0.0303	0.0	1.18E-06	1.45E-04	2.29E-03	1.32E-02	4.32E-0
3	1	101	102	21476.80	1	3484.41	2 • 8699	0.0303	0.0	0.0	6.20E-05	9.23F-04	5.11E-03	1.627-0
4	2	96	97	21645.80	1	3485.11	2.8693	0.0303	0.0	0.0	1.07E-04	1 • 64F-03	9.21E-03	2 - 96E-0
14	12	32	33	25900.18	1	3485.23	2.8693	0.0326	0.0	0.0	3.64E-05	1 • 02F-03	8 • 65E-03	3.72F-
10	8	62	63	23495.95	1	3485.80	2.8688	0.0303	0.0	0.0	1.66E-04	3.30E-03.	2.22E-02	8.10F-0
7	5	60	81	22368.93	1	3486.29	2.8684	0.0303	0.0	1.49F-06	2.04E-04	3.45F-03	2.08E-02	7.04E-0
4	2	~ 5 0~	91	18886.10	2	3486.50	2.8682	0.0303	0.0	0.0	7.69E-06	7.87E-05	3.39F-04	9.01F-
12	10	42	49	24494.01	1	3486.69	2.8680	0.0303	0.0	0.0	9.97E~05	2.29F-03	1.69F-02	6.62E-0
6	4	79	80	19482.71	2	3486.69	2.8680	0.0303	0.0	0.0	1.185-05	1.31E-04	6.00E-04	1.665-0
8	6	67	68	20237.70	2	3486.91	2.8679	0.0303	0.0	0.0	1-16E-05	1.446-04	7.08E-04	2.06E-0
16	14	11	12	27881.92	71	3487.02	2.8678	0.0617	0.0	0.0	4.66E-06	1.74E-04	1.78F-03	8.79E-0
15	13	22	23	26750.03	1	3487.63	2.8673	0.0476	0.0	0.0	1.67E-05	5.31E-04	4.87E-03	2.27E-0
īï	9	5 5	56	23913.44	1	3487.93	2.8670	0.0303	0.0	0.0	1.39E-04	2.93E-03	2.05E-02	7.698-0
7	5	73	74	19801.66	2	3487.93	2.8670	0.0303	0.0	0.0	1.26F-05	1 - 47E-04	6.90E-04	1 . 95F-0
13	11	40	41	25091.76	1	3488.21	2.8668	0.0303	0.0	0.0	6.685-05	1.67E-03	1.31F-02	5.336-0
3	1	95	96	18570.92	2	3488.26	2.8668	0.0303	0.0	0.0	4.96E-06	4.85F-05	2.03F-04	5.28F-0
9	7	68	69	23000.01	1	3488.39	2.8667	0.0303	0.0	1.27E-06	2.02E-04	3.74E-03	2.40E-02	8.46E-0
8	6	74	75	22623.88	1	3488.54	2.8665	0.0303	0.0	1.49E-06	2.17F-04	3.81F-03	2.35F-02	8.09F~
14	12	31	32	25788.01	1	3490.81	2.8647	0.0331	0.0	0.0	3.83E-05	1.065-03	8.88E-03	3.79F-0
6	4	25	86	21930.29	1	3490.81	2.8647	0.0303	0.0	1.67E-06	2.05F-04	3.26E-03	1.89F-02	6 . 19E-0
16	14	10	11	27841.70	i	3491.13	2.8644	0.0625	0.0	0.0	4.42E-06	1.64E-04	1.678-03	8 • 23E-0
5	3	84	85	18988.68	2	3491.84	2.8638	0.0303	0.0	0.0	1.15E-05	1.20E-04	5.215-24	1.40F-5
15	13	21	22	26672.34	1	3492.52	2.8633	0.0496	0.0	7.0	1.706-05	5.33E-04	4.86F~03	2.21F-0
2	0	105	106	21011.81	1	3492.53	2.8633	0.0303	0.0	0.0	2.93F-05	4.07E-04	2.16F-03	6.64E-0
12	10	47	48	24325.62	1	3493.36	2.8626	0.0303	0.0	0.0	1.11E-04	2.48E-03	1.81E-02	6.98E-0
10	8	61	62	23277.50	1	3493.40	2.8625	0.0303	0.0	1.135-06	1.928-04	3.70F-03	2.43F-02	8.75F-0
- <u></u>		90	91	21574.38	1	3493.68	2.8623	0.0303	0.0	1.60E-06	1.81F-04	2.745-03	1.53F-02	4.80E-0
13	11	39	40	24951.57	1	3494.34	2.8618	0.0303	0.0	0.0	7.23E-05	1 • 77E-03	1.37E-02	5.53F-0
8		66	67	20008.15	2	3494.45	2.8617	0.0303	0.0	0.0	1.355-05	1.63E-04	7.81E-04	2.24F-0
3			101	21114.38	1	3494.52	2.8616	0.0303	0.0	0.0	7.98E-05	1.13E-03	6.03E-03	1.87F-0
4	2	95	96	21302.14	1	3494.91	2-8613	0.0303	0.0	1.28E-06	1.36F-04	1.98F-03	1.08E-02	3.78F-C
6	4	78	79	19210.62	2	3494.97	2.8613	0.0303	0.0	0.0	1.42F-05	1.52E-04	6.77F-04	1.84E-0
7	5	79	80	22084.76	-	3495.06	2.8612	0.0303	0.0	1.94E-06	2.48E-04	4.03E-03	2.37E-02	7.84E-0
11	9	54	55	23720.06	1	3495.07	2.8612	0.0303	0.0	0.0	1.57E-04	3.23E-03	2.225-02	8 - 22E-0
16	14	<u>-</u>	10	27804.81	<u></u>	3495.17	2.8611	0.0624	0.0	7.0	4.14F-06	1.53E-04	1.56F~03	7.63E-0
4	2	89	90	18574.52	2	3495.44	2.8609	0.0303	0.0	0.0	9.520-06	9.32F-25	3.90E-04	1.01F-0
7	-5	72	73	19550.86	<u>-</u>	3495.85	2.8605	0.0303	0.0	0.0	1.49F-05	1.67F-04	7.70F-04	2.146-0
14	12	30	31	25679.20	ī	3496.32	2.8601	0.0335	0.0	0.0	4.03E-05	1 • 10E-03	9.10F-03	3.86F-0
	- 	67	68	22759.69	- i	3496.39	2.8601	0.0303	0.0	1.58E-06	2.37E-04	4.25F-03	2.66F-02	9.23F-0
	•				•	J-73407		0.0303	~ • •	1 5 3 DE-00	, , 0 - 4		2.000-02	2000

	VÜ	VL	JŪ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE . LENGTH	"HALF"	*****	** T'NTEGRATE	D ** ABSOR		EFFICIENT. *	****
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	15	13	20	21	26598.00	1	3497.34	2 • 8593	0.0515	0.0	0.0	1.72E-05	5.34E-04	4_83E-73	2.18E-02
	3	1	94	95	18241.11	2	3497.50	2.8592	0.0303	0.0	0.0	6.236-06	5.816-05	2.355-04	5.99E-04
	16	14	8	9	27771.27	1	3499.15	2.8578	0.0624	9.0	0.0	3.83E-06	1.41E-C4	<u>1.+4,35,-2,3</u> .	6.99F-C3
	6	4	84	85	21627.34	1	3499.91	2.8572	0.0303	0.0	2.21E-06	2.53E-04	3.85E-03	2.175-02	6.95E-02
	12	10	46	47	24160.56		3499.97	2.8572	0.0303	0.0	0.0	1.22E-04	2.68F-03	1.92F-02	7.34F-02
	13	11	36	39	24814.72	1	3500.41	2.8568	0.0303	0.0	0.0	7.81F-05	1.88F-03	1.43F-02	5.725-02
	5	3	_ <u>ea</u> _	84	18698.40		3500.43	2.8568	0.0303	_C • 0 ,	0.0	1.41F-05	1.40E-04	5.94F-04	1.565-03
	10	8	60	61	23062.32	1	3500.94	2.8564	0.0303	0.0	1.36E-06	2.21E-04	4 • 1 3E-03	2.66F-02	9.43F-02
_	14	12	29	30	25573.73	1	3501.77	2.8557	0.0340	0.0	0.0	4.22E-05	1.13E-03	9.29F-03	3.91E-??
	8	6	65	66	19781.77		3501.94	2 • 8556	0.0303	0.0	0.0	1.576-05	1 • 83E-04	8.59F-04	2.43F-03
	15,	13	19	20	26527.02		3502.09	2 • 8554	0.0535	0.0	0.0	1.73F-05	5.32E-04	4.78F-03	2.156-02
	11	9	53	54	23529.98		3502.15	2 • 8554	0.0303	0.0	0.0	1.78F-04	3.556-03	2.39E-02	A.76E~02
	2		104		20633.65		3502.89	2.8548	0.0303	0.0	0.0	3.81E-05	5.02E-04	2.57F+03	7.70F-03
	16	14	7	8	27741.09		3503.06	2.8546	0.0623	0.0	0.0	3.50F-06	1.28E-04	1.296-03	6.32F-03
	5	3	89	90	21252.63		3503.10	2.8546	0.0303	0.0	2.16E-06	2.26F-04	3.26E-03	1.77F-02	5.53F-02
	6	4	77	78	18941.66	2	3503.19	2.8545	0.0303	0.0	0.0	1.71E-05	1.76F-04	7.67F-04	2.04E-03
	7	5	71	72	19303.21	2	3503.70	2.8541	0.0303	0.0	0.0	1.76F-05	1.91F-04	8.585-04	2.35F-03
	7	5	78	79	21803.77	1	3503.78	2 • 8541	0.0303	0.0	2.51E-06	3.01F-04	4.69E-03	2.68F-02	8.725-02
	4	2	88	89	18265.99	2	3504.32	2.8536	0.0303	0.0	0.0	1.18F-05	1-10F-04	4.49F-94	1.14F-03
- 	9	7	66	67	22522.63	1	3504.33	2.8536	0.0303	0.0	1.95E-06	2.78F-04	4.81F-03	2.94F-02	1.01E-01
314	3	1	99	100	20755.00	1	3504.57	2.8534	0.0303	0.0	1.10F-06	1.035-04	1.38E=03	7.115-03	2.15E-02
	4	2	94	95	20961-57	<u> </u>	3504.64	2 3 8 5 3 4	0.0303	0.0	1.766-06	1.72E-04	2.38F-03	1.265-02	3.86F-02
	8	6	72	73	22102.62	1	3505.27	2.8528	0.0303	0.0	2.40F-06	3.09E-04	5.03F-03	2.96E-02	9.825-02
	13	11	37	8E	24681.22	1	3506.41	2.8519	0.0303	0.0	0.0	8.4CE-05	1.985-03	1.40F-02	5.91E-02
	12	10	45	46	23998.83	1	3506.51	2.8518	0.0303	0.0	0.0	1.35E-04	2.89F-03	2.04E-02	7.71F-02
	3	1	93	94	17914.32	~~~~~	3506.68	2.8517		0.0	0.0	7.80F-06	6.955-25	2.73E-04	6.79E-04
	15	13	18	19	26459.40	1	3506.78	2.8516	0.0552	0.0	0.0	1.73E-05	5.28E-04	4.71F-03	2.11F-02
	16	14	6	7	27714.25		~3506.90	2.8515	0.0620	0.0	0.0	3.13E-26	1.145-04	1.156-03	5.61E-03
	14	12	28	29	25471.62	ì	3507.15	2.8513	0.0359	0.0	0.0	4.41E-05	1 • 17F-03	9.48F-13	3.96E-02
	2	0	98	99	17644.22		3507.50	2.8510	0.0303	C.0	0.0	3.24F-06	2.78F-05	1.066-04	2.60E-04
	10	8	59	60	22850.43		3508.43	2.8503	0.0303	0.0	1.65F-06	2.535-04	4.60F-03	2.90E-02	1.01F-01
	6	4	""£3"	84	21327.55		3508.95	2.8499	0.0303	" 0.0	2.92F-06	3.12E-04	4.54E-03	2.485-02	7.80F-02
	5	3	82	83	18411.21		3508.95	2 • 8499	0.0303	0.0	0.0	1.725-05	1.64F-04	6.76F-04	1.74F-03
	11	· وَ	52	53	23.54		3509.17	2 8497	0.0303	70.67	1.16F-06	2.00E-04	3.90F-03	2.58F-02	9.33F-02
	8	6	64	65	19558.57		3509.37	2.8495	0.0303	0.0	0.0	1.825-05	2.05E-04	9.45F-04	2.63F-03
	16	14	5	6	27690.77		3510.67	2.8485	0.0617	0.0	0.0	2.74F-06	9.97E-05	1.00=-03	4.88E-23
	6	4	76	77	18675.82		3511.36	2.8479	0.0303	0.0	0.0	2.056-05	2.03E-04	8.59E-04	2.25E-03
	15	13	17	18	26395.14		3511.40	2.8479	0.0568	0.0	0.0	1.735-05	5.21F-04	4.63E-03	2 • 0 6E - 0 S
	7	5	70	71	19058.71		3511.51	2.8478	0.0303	0.0	2.0	2.07E-05	2.17F-04	9.545-04	2.57F-13
	9	— - -	65	66	22288.82		3512.21	2.8472	0.0303	0.0	2.41E-06	3.25F-04	5.43F-03	3.255-02	1.00E-01
	13	11	36	37	24551.07		3512.35	2 8471	0.0308	0.0	0.0	9.01F-05	2.09F-03	1.555-02	6-10F-02
	7	5	77	78	21525.99		3512.45	2.8470	0.0303	0.0	3.25F-06	3.64E-04	5.46F-03	3.04E-02	9.69=-2
	5	3	88	89	20934.01	•	3512.46	2.8470	0.0303	0.0		2.82F-04	3.89F-03	2.045-02	6.26F-02
	14	12	~~ <u>2</u> 7	28	25372.88	1	3512.47	2.8470	0.0379	~~~	2.91E-06	F-4711 1 1 1 1 4 43 43 44		9.65F-03	"v" (h ma 'kilabi"-amat stad
		10	44	45							0.0	4.596-05	1.20E-03		4.01F-02
	12	2	- 27 -	88	23840.43 17960.53		3513.00	2.8466	0.0303	0.0	0.0	1.49F-04	3•11F-^3	2.14E-02	8.08E-02
	2		-				3513.15	2-8464	0.0303	0.0		1.46E-05	1.315-04	5.165-04	1.29F-03
			103		20256.50		3513-19	2.8464	0.0303	0.0		4-955-05	6•19E~04	3.05E-03	8.926-03
	8	6	71	72	21846.84		3513.54	2.8461	0.0303	0.0	3.04E-06	3.67F-04	5.77-03	3.31E-02	1.086-01
	4	2	93	94	20624-10		3514.33	2.8455	0.0303	<u></u>	2-41E-06	2.185-04	2.87F-03	1.46E-02	4.396-02
	16	14	4	5	27670.64		3514.37	2.8455	0.0614	0.0	.0.0	2.33F-06	8.445-05	8-47E-04	4 + 1 2E-03
	3		- 58	99	20398-68		3514.56	2.8453	0.0303	0.0	1 .54E-06	1 • 3 1E-04	1.67E-03	8.376-03	2.47F-72
		1	92	93	17590.57	_	3515.80	2.8443	0.0303	0.0	0.0	9.765-06	8.29E-05	3.16F-04	7.69F-04
	10	. 8	. 50	59_	22641.83	1	3515.85	2.8443	0.0303	0.0	1.99E-06	2.91E-04	5,12F-03	3.17F-02	1.00E-Ü1

						MOLECULA	R LINE PAR	AMETERS FO	R DIATOMIC MO	DLECULES				, .
								RBON MONOX						,
VU	VL.		J''JĽ	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	*****	* INTEGRATE	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		C#-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
15				26334.25		3515.96	2.8442	0.0585	0.0	0.0	1.71E-05	5.12E-04	4.52E-03	2.00E-0
11				23159.78		3516.13	2-8440	0.0303	0.0	1.36E-06	2.25E-04	4.27F-03	2.785-02	9.91E-02
8				19338.57		3516.75	2.8435	0.0303	0.0	0.0	2.11E-05	2.30F-04	1.04F-03	2.84E-0
2				17302-17		3516.92	2.8434	0.0303	0.0	0.0	4.11E-06	3.35E-05	1.24F-04	2.96E-04
⁵	<u>1</u> 2			18127-12		3517.43	2.8430	0.0303	0.0	0.0	2.09E-05 4.77E-05	1.23E-03	7.68E-04 9.79E-03	4.048-0
14	12	2:		25277.50		3517.73	2.8427	0.0398	0.0		3.82F-04	5.34F-03	2.83F-02	8.74E-02
16			3 4	27653.86		3517.94 3518.01	2.8426	0.0303	0.0	3.84E-06	1.89E-06	5 • 85E-05	6.86E-04	3.33E-0
13		3	•	24424.27		3518.22	2.8423	0.0312	0.0	0.0	9.64F-05	2.19E-03	1.61E-02	6.27E-0
'~	* \$			18817.38		3519.25	2.8415	0.0303	0.0	0.0	2.44E-05	2.47E-04	1.06E-03	2.80F-0
12				23685.38		3519.42	2.8414	0.0303	0.0	0.0	1.63E-04	3.34E-03	2.29E-02	8.46E-0
	4			18413.12		3519.47	2.8413	0.0303	0.0	0.0	2.45F-05	2.34E-04	9.65E-04	2.48E-0
Ġ	7	6		22058.29	_	3520.03	2.8409	0.0303	0.0	2.97E-06	3.78E-04	6-13E-03	3.59E-02	1 • 1 9F-0
``````````````````````````````````````	13			26276.73		3520.44	2.8406	0.0591	0.0	0.0	1.68F-05	5.00E-04	4.39F-03	1 . 94 F-0
7				21251.42		3521.05	2.8401	0.0303	0.0	4.18E-06	4.39E-04	6.33E-03	3.43E-02	1.07F-0
16			2 3	27640.44		3521.57	2.8396	0.0609	0.0	0.0	1.44F-06	5.19E-05	5.20E-04	2.52E-0
8				21594.31	i	3521.76	2.8395	0.0303	0.0	3.82E-06	4.36F-04	6.60E-03	3.706-02	1.18F-0:
'S	" 3		7 - 88 -	20618.54	i	3521.77	2.8395	0.0303	0.0	3.90F-06	3.51E-04	4.63E-03	- 2.36E-02	7.08E-0
4	2	8	5 87	17658.15	2	3521.93	2.8394	0.0303	0.0	0.0	1.805-05	1.54E-04	5.92E-04	1.45E-0
i 4				25185.49		3522.91	2.8386	0.0418	0.0	0.0	4.93E-05	125E-03	9.90E-03	4.06E-0
n 11	. 9	5	51	22979.66	1	3523.02	2.8385	0.0303	0.0	1.59E-06	2.52E-04	4.66E-03	2.98F-02	1 • 05F-0
10		5	7 58	22436.54	i	3523.21	2.8383	0.0303	0.0	2.39E-06	3.33E-04	5.698-03	3.45F-02	1.17F-0
2	. 0	10:	103	19886.39	1	3523.44	2.8381	0.0303	0.0	0.0	6.42F-05,	7-61E-04	3.62F-03	1.03F-0:
4	· ^2	^ 9;	2 93	20289.75	i	3523.95	2.8377	0.0303	2.0	3.29F-06	2.74E-04	3.45F-03	1.70E-02	4.995-0
13	11	3	35	24300.84	1	3524.03	2.8377	0.0317	0.0	0.0	1.03E-04	2.30E-03	1.67E-02	6.44E-0
8		6	2 63	19121.76		3524.07	2.8376	0.0303	0.0	0.0	2.43F-05	2.575-04	1.14E-03	3.07E-0
3		9	7 98	20045.44	1	3524.50	2.8373	0.0303	0.0	2.14F-06	1.68E-04	2.03E-03	9.83E-03	2•83E-0:
15	13	1	15	26222.57	1	3524.86	2.8370	0.0597	0.0	0.0	1.65E-05	4.86E-04	4.25E-03	1 • 87E-0
		3		17269.87		3524.88	2.8370	0.0303	0.0	0.0	1.22E-05	9.88E-05	3.65F-04	8.69E-0
16	14		1 2	27630.37	1	3525.06	2.8368	0.0606	0.0	0.0	0.0	3.50E-05	3.50F-04	1.69F-0
12				23533.68	~~~~~~~~	3525.77	2.8363	0.0303	0.0	0.0	1.78E-04	3.57F-03	2.41F-02	8.83E-0
' 5	3			17846.16		3525.85	2.8362	0.0303	0.0	0.0	2.53E-05	2.23E-04	8.716-94	2.16E-0
2		- 5		16963.14		3526.29	2 • 8358	0.0303	0.0	0.0	5.20E-06	4 • 04E-05	1.45E-04	3.38€-0
				20737.52		3526.87	2.8354	0.0303	0.0	5.05E-06	4.68E-04	6.276-03	3.24F-02	9.78F-0
	5			18579-22		3526.95	2.8353	0.0303	0.0	0.0	2.86E-05	2.80F-04	1 • 17F-03	3 • C6E-0
6	4	7	–	18153.57	_	3527.53	2.8348	0.0303	0.0	0.0	2.92E-05	2.69E-04	1.08E-03	2.74E-0
9		<u>6</u>		21831-04	THE PERSON	3527-80	2.8346	0.0303	0.0	3.65E-06	4.40E-04	6.89F-03	3.95E-02	1.29F-0
14				25096.85		3528+03	2.8344	0.0437	0.0	0.0	5.08F-05	1.27E-03	9.98E~03	4.07E-0
16			21	27623.66		3528.49	2.8341	0.0603	0.0	0.0	0.0	1.76E-05 4.69E-04	1.76F-04 4.08E-03	8.53E-0 1.79E-0
15				26171.80		3529.21	2.6335	0.0604 0.0303	0.0	0•0 5•37E-06	1.60E-05 5.28E-04	7.32E-03	3.87F-02	1.195-0
				20980.08		3529.59 3529.78	2.8332	0.0303	0.0	0.0	1.09E-04	2.40E-03	1.72F-02	6.605-0
	-	-		22802.87		3529.85	2.8330	0.0303	0.0	1.85F-06	2.82F-04	5.08E-03	3.20E-02	1.115-0
11				21345.04		3529.91	2.8329	0.0303	0.0	4.80F-06	5-15E-04	7.53F-03	4.12E-02	1.30E-0
10	-	_		22234.55		3530.51	2.8325	0.0303	0.0	2.86F-06	3.80E-04	6.30E-03	3.76F-02	1.26E-0
				17358.87		3530.65	2.8323	0.0303	0.0	0.0	2.21F-05	1.82E-04	6.78E-94	1.62F-0
	3			20306.23	-	3531.02	2.8320	0.0303	0.0	5.225-06	4.36E-04	5.49E-03	2.72E-02	7.99E-0
·				18908.16	WEST FRANCE	3531.02	2.8318	0.0303	0.0	0.0	2.79E-05	2.875-04	1.24F-03	3.31E-0
12				23385.33		3532.07	2.8312	0.0303	0.0	1.11E-06	1.95E-04	3.82E-03	2.54F-02	9.21E-0
14			~~~~~	25011.59		3533.09	2.8304	0.0303	0.0	0.0	5.2°E-05	1.29E-03	1.00E-02	4.06F-0
15				26124.39		3533.50	2.8301	0.0610	0.0	0.0	1.55E-05	4 - 50E - 04	3.89F-03	1.705-0
4				19958 - 52		3533.50	2.8300	0.0303	0.0	4.48E-06	3.45E-04	4 • 1 3E-03	1.98E-02	5.67F-0
			. 75											

Vu	J VL	Ju	JL 	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500		T = 2500	T = 3000	T = 3500
3		90	91	16952.23		3533.90	2.8297	0.0303	0.0	0.0	1.516-05	1.17E-04	4.21F-04	9.81F-04
5	-		80	17568.32	2	3534.21	2.8295	0.0303	0.0	0.0	3.06E-05	2.59F-04	9 86E-04	2.40E-03
3		96	97	19695.29	1	3534.39	2.8293	0.0303	0.0	2.96E-06	2 • 1 4E-04	2.47E-03	1.15F-02	
. 7	_		68	18344.26	2	3534.58	2.8292	0.0303	0.0	0.0	3.34E-05	3-176-04	1.30E-03	3 25F - 02
16		1	0	27620.30	1	3535.13	2.8287	0.0603	0.0	0.0	0.0	1.78F-05	1.78F~04	3.335-03
13		32	33	24064.08	1	3535.46	2.8285	0.0326	0.0	0.0	1.16E-04	2.50E-03		8.62F-24
9	7		63	21607.08	1	3535.50	2 . 8285	0.0303	0.0	4.46E-06	5.10E-04		1.78E-02	6.74F-02
6		73	74	17897.18	2	3535.53	2.8284	0.0303	0.0	0.0	3.47E-05	7.74E~03	4.34E-02	1.39E-01
2	2 0	95	96	16627.14	. 2	3535.61	2.8284	0.0303	0.0	0.0		3.08E-04	1.21E-03	3.01F-03
6	4	60	81	20447.30	1	3535.74	2.8283	0.0303	0.0		6.56F-06	4 • 86E-05	1 • 69F-04	3.85F-04
11	9	48	49	22629.43	1	3536.62	2.8276	0.0303		6.60E-06	5.71E-04	7.34E-03	3.69F-02	1 • 09E~01
15	13	11	12	26080.36	1	3537.71	2.8267			2 • 15E-06	3.14E-04	5.52E-13	3.42F-02	1.18F-01
10	8 (	55	56	22035.89	ī	3537.75		0.0617	0.0	9.0	1.48E-05	4.28E-04	3.69F-03	1.61F-02
8			69	21099.03	<del></del>	3538.01	2 • 8267	0.0303	0.0	3.41E-06	4.32E-04	6.97E-03	4.08E-02	1.35F-01
14			23	24929.71	i		2.8264	0.0303	0.0	6.01E-06	6.08F→04	8.57E-03	4 • 58E - 72	1.42E-01
7		74	75	20711.97	1	3538 08	2.8264	0.0476	0.0	0.0	5.31E-05	1.30F-03	1.00F-02	4.05F-02
12	-	40	41	23240.34	1	3538.08	2 - 8264	0.0303	0.0	6+87E-06	6.34E-04	8.46E-03	4.36F-02	1.31E-01
16		2	1		_ <u> </u>	3538.29	2.8262	0.0303	0.0	1.25E-06	2.12E-04	4.06F-03	2.675-02	9.58F-02
8		_		27623.66		3538.35	2.8262	0.0606	0.0	0.0	0.0	3.58E-^5	3.57F-74	1.73F-03
		60	61	18697.77		3538.54	2.8260	0.0303	0.0	0.0	3.20E-05	3.19E-04	1.35E-03	3.560-03
A 4		84	85	17062.69	2	3539.32	2 • 8254	0.0303	0.0	0.0	2.71E-05	2.14E-04	7.75E-04	1.82E-03
		85	86	19997-09	1	3540.22	2.8247	0.0303	0.0	6.96E-06	5.415-04	6.51E-03	3.13E-02	6.00E-05
16		87	86	39830.51	1	3540.95	2.8241	0.0303	0.0	0.0	0.0	2.14E-06	6.89F-05	7.70E-04
13		31	32	23950.76	1	3541.07	2.8240	0.0331	0.0	0.0	1.22E-04	2.60E-03		
16		3	2	27630.37	1	3541.50	2.8237	0.0609	0.0	0.0	1.49F-06	5.37F-05	1.87E-02	6.87F-02
15		10	11	26039.71	1	3541.86	2.8234	0.0625	0.0	0.0	1.40E-05	4 • 0 3E~04	5.37E-04	2+60E~03
7	5	66	67	18112.48	2	3542.16	2.8231	0.0303	0.0	0.0	7 005 05		3-46E-03_	1.50F~02
5		78	79	17293.62	2	3542.52	2.8228	0.0303	0.0	0.0	3.90E-05	3.58E-04	1.43E-03	3.62E-03
3	1	89	90	16637.68	2	3542.87	2.8226	.0.0303	0.0		3.69E-05	3.01E-04	1.12E-03	2.66F-03
14	12	21	22	24851.22	1	3543.00	2.8225	0.0496		0.0	1.88E-05	1.396-04	4.85E-04	1.11E-03
4	2	90	91	19630.43		3543.03	2.8224	0.0303	0.0	0.0	5.40E-05	1.31E-03	1.00F-02	4.02E-02
9		61	62	21386.43	ī	3543.14	2.8224		0.0	6.08E-06	4.32E-04	4 • 94E-03	2.29E-02	6.43E-02
11	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	47	48	22459.34	~ <del>-</del>	3543.33		0.0303	0.0	5.44F-06	5-89F-04	8.67E~03	4.76E-02	1.51E-01
6		72	73	17643.96	ż	3543.48	2.8222	0.0303	0.0	2.49E-06	3.49E-04	5.995-03	3+65E-02	1.245-01
		P79791-0	101	19151.35			2.8221	0.0303	0.0	0.0	4-12E-05	3.53E~04	1.356-03	3.31F-03
16		86	85	39557-56	1	3543.78	2.8218	E0E0.0	0.0	1.698-06	1.07E-04	1.14E-03	5.07F-03	1.375-02
3		95	96			3544.20	2.8215	0.0303	0.0	0.0	0.0	2 • 46E-06	7.72E-05	8.48E-04
12		35	•	19348.24	1	3544.22	2.8215	0.0303	0.0	4.09E-06	2.72E-04	2.996-03	1.35E-02	3.71E-02
			40	23098.72		3544.46	2.8213	0.0303	0.0	1.40E-06	2.29E-04	4.32E-03	2.80E-02	9.94E-02
_		79	80	20160.30	1	3544.56	2.8212	0.0303	0.0	8.61F-06	6.96E-04	8.58E-03	4.19F-02	1.22F-01
16			3	27640.44	1	3544.57	2.8212	0.0611	0.0	0.0	1.98E-06	7.16E-05	7-17E-04	3.48F-03
2		94	95	16294-18		3544.88	2.8210	0.0303	0.0	0.0	8-26E-06	5.83E-05	1.96F-04	4.37E-04
10		54	55	21840.56	1	3544.93	2.8209	0.0303	0.0	4.06E-06	4.90F-04	7.70E-03	4.42F-02	1.44F-01
8	_	59	60	18490.61	2	3545.69	2.8203	0.0303	0.0	0.0	3.67E-05	3.55E-04		
15		9	10	26002.45	1	3545.94	2.8201	0.0624	0.0	0.0	1.32E-05		1.47E-03	3.825-03
8	6	67	68	20856.30	1	3546.05	2.8200	0.0303	0.0	7.49E-06	7.15E-04	3.76E-04	3.22E-03	1.39E-02
7	5	73	74	20447.11	1	3546.51	2.8197	0.0303	0.0			9 • 74E-03	5.095-02	1.55E-01
13	11	30	31	23840.83	1	3546.62	2.8196	0.0335	0.0	8.76E-06	7.59E-04	9+75F-03	4.90E-02	1.45E-01
16	14	65	84	39287.42	ī	3547.37	2.8190	0.0303		0.0	1.28E-04	2.69E-03	1.87F-02	6.99E-05
16		5	4	27653.86	- <u></u>	3547.58	2.8188		0.0	0.0	0.0	2.83E-06	8.65F-05	9.32E-04
14		20	21	24776.12	<u>-</u>	3547.86	2+8186	0.0614	0.0	0.0	2.46E-06	8.935-05	8.95F-04	4.35F-03
4	2	63	64	16769.63	2			0.0515	0.0	0.0	5.47E-05	1.31E-03	9.97F-03	3.98F-02
*	3	84	85	19691-13	-	3547.94	2.8185	0.0303	0.0	0.0	3.32E-05	2.51E-04	8 - 85E-04	2.04E-03
	5	65				3549.35	2 6 8 1 74	0.0303	0.0	9.25E-06	6.68E-04	7.70E-03	3.60F-02	1.01F-01
				17883.92	2	3549.68	2.8172	0.0303	0.0	0.0	4.54E-05	4.03E-04	1.58F-03	3.93F-03
	13	8	9	25968.57	1	3549.95	2 • 8169	0.0624	0.0	0.0	1.22E-05	3.46E-04	2.95F-03	1.28F-02

MOLECIII AD	LINE	DADAMETEDS	EOD	DIATOMIC	MOLECULES

CARBON MONOXIDE LOWER WAVE WAVE HALF ********* INTEGRATED ** ABSORPTION ** COFFFICIENT ******* ٧Ĺ JU JL CODE CM*GM-1 STATE NUMBER LENGTH WIDTH T = 1000 T = 1500 T = 2000T = 2500T = 3000 T = 3500CM-1 MICRON HZ ENERGY 2.87F-06 1.31F-01 3.87E-04 6.48E-03 3.68E-02 22292.60 3549.97 2.8169 0.0303 14 1.02F-03 0.0 0.0 3-24E-06 9.67E-05 Ê4 0.0303 0.0 63 39020-11 3550.46 2.8165 5.21F-03 2.93E-06 1.07F-04 1.07E-03 3550.51 2.8165 0.0617 0.0 0.0 27670.64 10 1.57E-06 2.48E-04 4.58E-03 2.92E-02 1.03F-01 38 0.0 39 22960.48 3550.56 2.8165 0.0303 6.80F-04 5.22F-02 3550.72 2.8163 0.0303 6.60F-06 9.69E-03 1.625-01 21169.09 0.0 2.95E-03 77 1.17F-06 4.45E-05 3.48E-04 1:26F-03 78 17022.07 2.8163 0.0303 0.0 3550.78 4 - 88E-05 2.8158 1.17F-06 4 . 03E-04 1.51E-03 3.625-03 3551.37 0.0303 0.0 17393.93 5.59E-04 1.25E-03 1 2.335-05 1.655-74 è9 2.8155 0.0 0.0 33 16326.21 3551.79 0.0303 2.8153 4.80E-06 5.55E-04 8.485-03 4.78F-02 1.545-01 3552.04 0.0 21648.56 0.0303 29 1.34E-04 2.77F-03 1.91E-02 7.09F-02 30 23734.29 3552.11 2.8152 0.0340 0.0 0.0 5.41F-04 2.66E-02 5.00E-03 7.28E-02 69 90 19305.50 3552.49 2.8149 0.0303 0.0 8.21E-06 5.51F-05 9.87F-03 3.92E-02 14 12 0.0 ^ 0 1.31F-03 19 20 24704.41 3552.65 2.8148 0.0535 4 - 19E - 05 1.61E-03 2.8147 3.94E-04 4.10E-03 58 18286.68 3552.78 0.0303 0.0 0.0 4.76E-02 1-36F-01 1.12E-05 8-45E-04 1.00E-02 4 78 79 19876.52 3553.31 2-8143 0.0303 0.0 3.39F-06 6.06E-03 16 27690.77 3553.38 2.8142 0.0620 0.0 0.0 1.24F-04 1.24E-03 3.71E-06 1.08E-04 1.12F-03 14 83 82 38755.64 3553.47 2.8141 0.0303 0.0 0.0 0.0 5.98#-03 1.58F-02 1.38F-04 2.8138 0.0303 0.0 2.37E-06 1.405-03 99_100 7 8 18788.44 3553.87 13 1.11E-05 3.15E-04 . 2.68E-03 1.16E-02 25938.07 3553.90 2.8138 0.0623 0.0 0.0 1.585-02 0.0303 3.46E-04 3.615-03 4.24E-02 19004.32 3,553,99 2.8137 0.0 5.64E-06 0.0 9.30E-06 8.39E-04 1.10F-02 5.64F-02 1.69F-01 ĜĠ. 67 20616.86 3554.02 2.8137 0.0303 2.28F-04 1.045-05 6.99E-05 4.97F-04 3554.10 2.8137 0.0303 0.0 0.0 15964.29 5.49E-02 1.60E-01 72 20185.51 3554.88 2.8130 0.0303 0.0 1.11E-05 9.06E-04 1.12E-02 1.41E-03 6.89F-03 3.93E-06 1.40E-04 27714.25 3556.17 2.8120 0.0623 0.0 0.0 16 14 1.20E-04 1.23F-03 4.24E-06 14 82 38494.02 3556.39 2.8118 0.0303 2.0 0.0 0.0 81 2.94E-04 2.27F-03 2.8118 1.01F-03 0.0303 0.0 1.22E-06 4 . 0 6E - 05 16479.69 3556,50 1.37F-01 4.27E-04 6.99E-03 4.13E-02 ື9ັ 46 3556.55 2.8117 0.0303 9.0 3.30E-06 45 22129.23 1.06F-01 10 3556.60 2.8117 0.0303 1.74F-06 2.67E-04 4.83E-03 3.95F-02 38 22825.61 1.74F-03 4.25F-03 3557.15 2.8112 0.0303 1.19E-06 5.27E-05 4.53E-04 64 65 17658.56 0.0 9.74F-03 3.85F-02 19 24636.09 3557.37 2.8111 0.0552 0.0 5.526-05 1.30E-03 14 12 18 7.195-02 1.955-02 77 23631.13 3557.53 2.8109 0.0359 0.0 0.0 1.415-04 2.865-93 2.38E-03 1.03F-02 3557.77 2.8107 0.0620 0.0 9.95E-06 2.81E-04 15 13 25910.95 0.0 5.70E-02 1.75E-01 2.8104 7.99E-06 7.81F-04 1.08E-02 59 60 20955.06 3550.24 0.0303 0.0 19388.37 2.8102 1.23F-05 8.24F-04 9.09F-03 4-13--02 1.14E-01 63 3558.43 0.0303 0.0 1.586-03 4.25E-06 1.56E-24 7.71E-03 14 -9 27741.09 3558.90 2.8099 0.0624 0.0 0.0 1.42E-03 3 76 77 16753.69 3558.98 2.8098 0.0303 0.0 1.50E-06 5.34E-05 4.03E-04 3.26E-03 1 - 64F-01 5.16F-02 8 52 21459.91 3559.10 2.8097 0.0303 0.0 5.67E-06 6.26E-04 9.31E-03 3.97E-03 4.60E-04 1.68E-03 70 71 17.147.08 3559.21 2.8096 0.0303 0.0 1.476-06 5.76E-05 14 εī 60 38235.27 3559.24 2.8096 0.0303 0.0 0.0 0.0 4 . 84E-06 1.34F-04 1.34F-03 18085.99 3559.82 2.8091 0.0303 0.0 0.0 4.78E-05 4.37E-04 1.75E-03 4.40F-03 57 58 ~ē7 89 16017.84 3560.65 2.8085 0.0303 0.0 0.0 2.89F-05 1 - 96E-04 6.43E-04 1.41F-03 27771.27 3561.55 2.8078 0.0624 0.0 0.0 4.64E-06 1.71E-04 1.74E-03 8.50F-03 10 16 14 3561.58 2.8077 8.71E-06 2.45E-04 2.07E-03 9.93E-03 Ti 3 -5 25887.22 0.0617 0.0 2.0 1.11E-05 **プ。** 05೯-03 3.08F-02 8.255-02 18983.73 3561.89 2.8075 0.0303 0.0 6.76F-04 2 88 1.25E-02 6.24E-02 1 - 840-01 20380.71 3561.94 2.8075 0.0303 1.15F-05 9.82E-04 6 65 66 0.0 2.8074 1.49F-04 1.47F-03 37979.39 3562.00 0.0303 0.0 5.51E-06 23 79 0.0 0.0 16 14 77 2.8074 0.0303 0.0 1.45E-05 1.02E-03 1.17E-02 5.39E-02 1.51F-01 19595.97 3562.01 2.8074 0.0568 5.51E-05 1.28E-03 9.56F-03 3.76E-02 24571.17 3562.03 0.0 0.0 14 12 17 18 3.18F-02 1.10F-01 12 10 36 37 3562.57 2.8070 0.0308 0.0 1.93F-06 2.87E-04 5.10E-03 22694.13 3562.88 2.8067 1 . 98F-02 7.27F-02 27 23531.37 0.0379 0.0 0.0 1.47E-04 2.94F-03 11 13 4.38E-02 1.44F-01 21969.23 3563.07 0.0303 0.0 3.77F-06 4 . 7 1E-04 7.53E-03 . . . 2.8066 6 . 15F-02 1.76F-01 2.8065 0.0303 1.08E-03 1.29E-02 71 72 19927.18 3563.19 0.0 1.41E-05 ō 92 0,0303 0.0 0.0 1.30E-05 8.35F-05 2.64E-04 5.63F-04 15637.47 3563.26 2.8064 ē.ò 4.37E-04 - 4.35E-03 1.84F-02 4.83F-02 3563.71 0.0303 7.75F-06

93 94 18663.53

2.8061

# MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

VU		/L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	** INTEGRAT	ED ** ABSORI		EFFICIENT #	******
					ENERGY		CH-1	MICRON	H2	T = 1000	T = 1500'	T = 2000	T = 2500	T = 3000	T = 3500
2			98	99	18428-62	1	3563.90	2.8059	0.0303	0.0	3.32E-06	1.77E-04	1.70E-03	_7.05E-03	1 • 82E-02
16			11	10	27804.81	1	3564.13	2.8057	0.0625	0.0	0.0	5.01E-06	1.86E-04	1.89E-03	9.27E-03
7			63	64	17436.43		3564.56	2.8054	0.0303	0.0	1.46E-06	6.11E-05	5.08E-04	1.91E-03	4.60E-03
16			79	78	37726-41	1	3564.68	2.8053	0.0303	0.0	0.0	0.0	6.27E-06	1.65E-04	1.60E-03
			<u>e1</u>	82	16192.90	2	3565.01	2.8050	10.0303	0.0	1.59E-06	4.94E-05	3.44E-04	1 • 15E-03	2.54E-03
15		3	4	5	25866.88	1	3565.32	2.8048	0.0614	0.0	0.0	7.40E-06	2.07E-04	1.75E-03	7.53E-03
9			58	59	20744.37	1	3565.69	2.8045	0.0303	0.0	9.66E-06	8.98E-04	1 + 20E-02	6.235-02	1.89E-01
10			51	52	21274.62	1	3566.09	2.8042	0.0303	0.0	6.67E-06	7.05E-04	1.02E-02	5.55E-02	1.74E-01
14			16	17	24509.65	1	3566.62	2.8038	0.0585	0.0	0.0	5.46E-05	1 - 26E-03	9.34E-03	3.66E-02
16			12	11	27841.70	1	3566.64	2.8038	0.0617	0.0	0.0	5.35E-06	1.99E-04	2.04E-03	1 - 00E-02
- 8			56	57	17888.55	_2	3566.80	2.8036	0.0303	0.0	1-16E-06	5.44E-05	4.83E-04	1.90E-03	4 - 71 F - 03
6			69	70	16903.43	2	3566.99	2.8035	0.0303	0.0	1.84E-06	6.78E-05	5.23E-04	1.87E-03	4.34E-03
5			75	76	16488.47	_2	3567.13	2.8034	0.0303	0.0	1.91E-06	6-40E-05	4.64F-04	1.59E-03	3.60F-03
16			78	77	37476.32	1	3567.28	2.8033	0.0303	0.0	0.0	0.0	7.11E-06	1.83E-04	1.74E-03
5			82	83	19088.83	1	3567.46	2.8031	0.0303	0.0	1.62E-05	1.01E-03	1.07E-02	4.72E-02	1-28F-01
13			26	27	23435,02	1	3568-17	2.8026	0.0398	0.0	0.0	1.52E-04	3.01E-03	2.01E-02	7.33E-02
12			35	36	22566.05	_1	3568.48	2.8023	0.0312	0.0	2.13E-06	3.07E-04	5.36E-03	3.30E-02	1 • 13F-01
15		3	3		25849.93	1	3568.98	2.8019	0.0611	0.0	0.0	6.01E-06	1.68E-04	1.42E-03	6.09E-03
16			13_	12	27881.92	<u> </u>	3569.08	2.8018	0.0610	0.0	0.0	5.66E-06	2-12E-04	2.17E-03	1.07F-02
3			e6	87	15712.59	2	3569.46	2.8015	0.0303	0.0	1.29E-06	3.57E-05	2.32E-04	7.39E-04	1.58E-03
11			43	44	21812.60	1	3569.53	2.8015	0.0303	0.0	4.30E-06	5-17E-04	8.09E-03	4.63E-02	1.51F-01
16			77	76	37229.15	1	3569.80	2.8013	0.0303	0.0	0.0	0.0	8.05E+06	2.02F-04	1 - 89E-03
<u>8</u>			54	65	20147.87	1	3569.80	2.8013	0.0303	0.0	1.42E-05	1.15E-03	1.41E-02	6.89E-02	2.00F-01
6			76	77	19318.68	1	3570.65	2.8006	0.0303	0.0	1.87E-05	1.24E-03	1.35E-02	6.10F-02	1.68E-01
14			15	16	24451.53	1,	3571.14	2.8002	0.0591	0.0	0.0	5.38E-05	1.23E-03	9.085-03	3.54F-02
4			e7	88	18665-15	1	3571.24	2.8001	0.0303	0.0	1.49E-05	8.44E-04	8.40E-03	3.56E-02	9.34E-02
7			70	71	19672-14		3571.44	2.8000	0.0303	0.0	1.78E-05	1.28E-03	1.47E-02	6.88F-02	1.935-01
16			14	13	27925.50	1	3571.44	2.8000	0.0604	0.0	0.0	5.93E-06	2.24E-04	2.30E-03	1 - 1 4E-02
7			52	63	17217.54	_2	3571.92	2.7996	0.0303	0.0	1.77F-06	7.05F-05	5.69E-04	2.095-03	4.97E-03
16			76	75	36984.90	1	3572.23	2.7994	0.0303	0.0	0.0	0.0	9.10E-06	2.23F-74	2.06E-03
2			<u> </u>	92	15313.73	2	3572.37	2.7993	0.0303	0.0	0.0	1+63E-05	9.97E-05	3.06E-04	6+37F=94
15			ž	3	25836.37	1	3572.58	2.7991	0.0609	0.0	0.0	4.57E-06	1.28E-04	1.085-03	4.61F-03
			50	51	21092.69	1	3573.02	2 • 7988	0.0303	0.0	7.82E-06	7.91E-04	1 - 12E-02	5.97E-02	1.85E-01
			57	58	20537.02	1	3573.09	2.7987	0.0303	0.0	1.16E-05	1.03E-03	1.34E-02	6.79F-02	2.035-01
3			92	93	18325.89	1	3573.37	2.7985	0.0303	0.0	1.06E-05	5.52F-04	5.24F-03	2.15E-02	5.50E-02
13			25	26	23342.06	1	3573.39	2.7985	0.0418	0.0	0.0	1.58E-04	3.07E-03	2.04E-02	7-37E-02
4			<u> </u>	<u>e1</u>	15909-25	_2	3573.46	2.7984	0.0303	0.0	2.06E-06	6.00E-05	4.01E-04	1.30E-03	2.835-03
8			55	56	17694.37	2	3573.72	2.7982	0.0303	0.0	1.38E-06	6-17E-05	5.33E-04	2.05F-03	5.04E-03
16	<u>, 1</u>		15	14	27972.41		3573.74	2.7982	0.0597	0.0	0.0	6.18E-06	2.34E-04	2.42F-03	1.205-02
				98	18071.92	1	3573.88	2.7981	0.0303	0.0	4.63E-06	2.27F-04	2.07E-03	8.308-03	2.09F-02
15			53	92	39871.45		3573.96	2.7980	0.0303	0.0	0.0	0.0	2.02E-06	6.56E-05	7.36F-04
12				35	22441.36	1	3574.33	2.7977	0.0317	0.0	2.35F-06	3.28E-04	5.61F-03	3.42E-02	1-16F-01
16	1			74	36743.59	1	3574.59	2.7975	0.0303	0.0	0.0	0.0	1.03E-05	2.46F-04	2.23F-03
				69	16662.99	2	3574.71	2.7974	0.0303	0.0	2.29E-06	7.97E-05	5.94E-04	2.07E-03	4.74F-03
. 5				75	16226.44	2	3575.22	2.7970	0.0303	0.0	2.44E-06	7.65F-05	5.35E-04	1.79E-03	3.97E-03
14	_			15	24396.82	1	3575.59	2.7967	0.0597	0.0	0.0	5.27E-05	1.20E-03	8.78E-03	3.41F-02
				43	21659.36	_1	3575.92	2.7965	E0E0.0	0.0	4.89E-06	5.66E-04	8.67F-03	4 89E-02	1.58E-01
16				15	28022.67	1	3575.96	2.7965	0.0591	0.0	0.0	6.38E-06	2.44E-04	2.54F-03	1.26F-02
1 <u>5</u>	1		1	2	25826.20	_1	3576.11	2.7963	0.0606	0.0	0.0	3.08E-06	8.59E-05	7.23E-04	3-10F-13
				82	18792.51	1	3576.42	2.7961	0.0303	0.0	2.13E-05	1.24E-03	1.26F-02	5.40F-02	1.43F-01
. 16				73	36505.22	_1	3576.87	2.7957	0.0303	0.0	0.0	0.0	1.16E~05	2.71E-04	2.41F-03
8				64	19918.36	1	3577.60	2.7952	0.0303	0.0	1.75E-05	1.33E-03	1.50E-02	7.60F-92	2.17E-01
15	1	3	-2	91	39578.67	1	3577.67	2.7951	0.0303	0.0	0.0	0.0	2.36E-06	7.42F-05	C # 1 ( E - U )

VÜ	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	* INTEGRATE	D ** ABSORI		FFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
16	14	17	16	28076.27	1	3578.11	2.7948	0.0585	0.0	0.0	6.56E-06	2.53E-04	2.64F-03	1.32E-02
3	i	85	86	15410.46	2	3578.22	2.7947	0.0303	0.0	1.71F-06	4.4CE-05	2.74F-04	8-48E-04	1.785-03
13	11	24	25	23252.52	1	3578.55	2.7944	0.0437	0.0	0.0	1 -6 2E-0 4	3.13E-03	2.06F-02	7.39F-02
16	14	73	72	36269.81	1	3579.06	2.7940	0.0303	0.0	0.0	0.0	1.30E-05	2 • 9 8 F ~ 7 4	2.61F-03
7	_ 5	61	62	17001.87	2	3579.21	2.7939	0.0303	0.0	2-155-06	8.13F-05	6.35E=04		5.36F-03
6	4	75	76	19044.64	1	3579.23	2.7939	0.0303	0.0	2.41E-05	1.49F-03	1.57E-12	6.89F-02	1 • 86F-01
15	13	0	1_	25819.42	1	3579.57	2.7936	.0.0603	0.0	0.0	1.55E-06	4 <u>_33E</u> _05	3.64F-04	1.56F-03
7	5	69	70	19420.38	1	3579.63	2.7936	0.0303	0.0	2.24E-05	1.525-03	1.68F-02	7.67E-02	2.125-01
10	8	49	50	20914.12	1	3579-89	2,7934	0.0303	0.0	9.14E-06	8.85E-04	1.22E-02	6.40F-02	1.96E-01
14	12	13	14	24345.52	1	3579.98	2.7933	0.0604	0.0	0.0	5.13E~^5	1.16F-03	8.446-03	3.27F-02
12	10	33	34	22320.07	1	3580.11	2.7932	0.0321	0.0	2.57E-06	3.49E-04	5.87E-03		_1.19F-01
16	14	18	17	28133.20	1	3580.19	2.7931	0.0568	0.0	0.0	6.69E-06	2.60F-04	2.735-03	1.376-02
. 9_	7	56	57	20333.01	1	3580.43	2.7930	0.0303	0.0	1.40E-05	1.18E-03_	1.49E-02	7.40E-02	2.18E-01
4	2	86	87	18349.76	1	3580.53	2.7929	E0E0.0	0.0	2.01E-05	1.05F-03	9.99E-03	4 • 1 1F-02	1 • 06E-21
8_	6_	54	55	17503.45	2 ,	3580.58	2.7928	0.0303	0.0	1.64E-06	6.98E-05	5 87E-C4	2.2E-03	5.385-03
16	14	72	71	36037.37	1	3581.18	2.7924	0.0303	0.0	0.0	0.0	1 • 46E-05	3.26E-04	5.88E-03
15	13	91	90	39288.66	1	3581.30	2.7923	0.0303	0.0	0.0	0.0	2.73E-06	a_38F-05.	9.03E-04
2	0	90	91	14993.09	2	3581.43	2.7922	0.0303	0.0	0.0	2.03F-05	1 • 19E-04	3.535-04	7.20E-04
4	2	79	80	15628.77	2	3581.86	2.7918	0.0303	0.0	2.68E-06		4 <u>.67E=04</u>	1 <u>.48</u> F23	3.15F-03
16 11	14	19	18	28193.46	1	3582.20	2.7916	0.0552	0 • 0	0.0	6.80F-06	2.67E-04	2.825-03	1.42F-02
0 11	9	41	42	21509.51	1	3582 • 25	2.7915	0.0303	0.0	5.53E-06	6 • 1 8E - 04	9.26E-03	5 <u>-16</u> F-02	<u>1.54E-01</u>
6	4	€7	68	16425.77	2	3582.38	2.7914	0.0303	0.0	2.84E-06	9.34E-05	6.726-04	2.296-03	5.16F-03
3	1	91	92	17991-41	1	3582.98	2.7910	0.0303	0.0	1.45E-05	6.96E-04	6.29E-03	2.50F-02	6.26F-02
16	14	71	70	35807.91		3583.22	2.7908	0.0303	0.0	0.0	0.0	1 •63F-05	3.575-04	3.04F-73
5	3	73	74	15967.60	2	3583.26	2.7908	0.0303	0.0	3.09E-06	9.11E-05	6 . 14E-04	<u>2.01E-03</u> _	4.37F-03
13	11	23	24	23166.39	1	3583.64	2.7905	0.0457	0.0	1.00E-06	1.675-04	3.17F-03	2.07F-02	7.306-02
2	0	96	_97_	17718.34	1	3583.80	2.7903	0.0303	0.0	6.45E-06	2.90F-04	2.52E-73		2.40F-02
16	14	20	19	28257.05	1	3584.13	2.7901	0.0535	0.0	0.0	6.875-06	2.72F~Q4	2.89F-03	1.46F-02
14	12	12	13	24297.62		3584.30	2.7899	0.0610	0.0	0.0	4.955-05	1.11E-03	8.055-03	3.11E-05
15	13	90	89	39001.43	1	3584.85	217895	0.0303	0.0	0.0	0.0	3-17E-06	9.44E-05	0.00F-04
16	14	70	69	35581.43	1	3585.17	2.7893	0.0303	0.0		<u>~0.∗0</u> , ~——	<u> 1 • 82F-05</u>		3•.275±93.
5	3	80	81	18499.43	1	3585.33	2.7891	0.0303	0.0	2.80E-05	1.526-03	1.48F-02	6.16F-92	1.60€-01
8	6	62	63	19692-16		3585.33	2.7891	0.0303	0.0	2.14E-05	1.55F-03	1.79E-02	8.36E-05	2.35E-01
12	10	32	33	22202-19	1	3585.82	2.7888	0.0326	0.0	2.80F-06	3.69F-04	6-12E-03	3.64F-02	1.225-01
16	14	21-	50	28323.98	1	3585.99_	2.7886	0.0515	0.0	0.0	6.90E-06	2.76F-04	2.95F=?3	1.50E-02
15	13	1	0	25816.03		3586.29	2.7884	0.0603	0.0	0.0	1.57F-06	4.38E-05	3.68E-04	1.585-03
7	5	60	61	16789.46		3586.46	2.7883	0.0303	0.0	2.60E-06	9.34F-05	_7.CRF-04	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5•. <u>775</u> −23
10	8	48	49	20738.93		3586.69	2.7881	0.0393	0.0	1.06E-95	9.88E-04	1.33F-02	6.85F-02	2.075-01
3	1	84	85	15111.48	2	3586.92	2.7879	0.0303	0.0	2.25E-06	5.41E-05	3.23E-04	9 <u>•70F-04</u>	2.00F-03
16	14	69	68.	.35357.96	1	3587.05	2.7878	0.0303	0.0	0.0	0.0	2.035-05	4.26=-04	3.515-93
8	6	53	54	17315.80	2	3587.39	2.7875	0.0303	0.0	1.93F-06	7.88F-05	.6.45E-04	2.40E-03.	5.73E-03
9	7	55	56	20132.36		3587.70	2.7873	0.0303	0.0	1 • 67E-05	1.34E-03	1 • 65F-02	8.94E-02	2 • 33E = 01
6	4	74	·75	18773.88	1	3587.76	2.7873	0.0303	0.0	3.09F-05	1.80E-03	1.82E-02		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
7	5	68	69	19171.93		3587.77	2.7872	0.0303	0.0	2.81E-05	1.79F-03	1.92F-12	8.55F-22	2.32F-01
16	14	22	21	28394.22		3587.78	2.7872	0.0496	0.0	0.0	6.91E-06	2.705-04	<u>3.00F=03</u> .	_ 1.54E-^2
15	13	89	88	38717.00	1	3588.32	2.7868	0.0303	0.0	0.0	0.0	3.68E-96	1.07E-04	1-116-03
11	9	40	41	21363.06	1	3588.51	2.7867	0.0303	0.0	6.23E-06	6.73E-04	9.885-03	5•42F-02	1. <u>71E-01</u>
14	. 12	11	12	24253.14	1	3588.55	2.7866	0.0617	0.0	0.0	4.74E-05	1.058-03	7.635-03	2.94F-02
13	11	22	23	23083.67	1	3588.66	2.7866	0.0476	0.0	1.04E-06	1.70E-04	3 - SOE-03	2.07F-02	7.37F-02
, 16	14	68	67	35137.49	1	3588.84	2.7864	0.0303	0.0	0.0	0.0	2.26E-05	4.64F-04	3.77F-03
16	14	23	22	28467.79	11	3589.49	2.7859	0.0476	0.0	0.0	6.88E-06	2.81F-04	3.04F-03	1.56E-02
15	13	2	1	25819.42	1	3589.54	2.7859	0.0606	0.0	0 • 0	3 • 1 5E = 0 6	8 • 79F-05	7.405-04	3.17F-03
			86	18037:58		3589.76	2.7857	0.0303	. 0.0	2.68 _F -05	1.37E-03	1.10F-02	4.735-02	1.19F-01

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE VL JU JĽ LOWER CODE WAVE WAVE HALF ******* INTEGRATED ** ABSORPTION ** COEFFICIENT ****** STATE NUMBER LENGTH WIDTH CM*GM-1 ENERGY CM-1 MICRON H2 T = 1000T = 1500 T = 2000 T = 2500 T = 3000T = 35004 66 67 16191.77 3590.00 2.7855 0.0303 0.0 3.51E-06 1.09E-04 7 . 60E-04 2.54E-03 5.62E-03 2 78 79 15351.45 3590.20 2.7854 0.0303 0.0 3.46E-06 8.80E-05 5 - 43E-04 1.67E-03 3.49E-03 0 29 90 14675.56 3590.43 2.7852 0.0303 0.0 1.16E-06 2.52E-05 1.41E-04 4.07E-04 8.13E-04 16 14 67 66 34920.04 1 3590.56 2.7851 0.0303 0.0 0.0 0.0 2.51E-05 5.05E-04 4.04E-03 16 14 24 23 28544.68 3591.14 2.7846 0.0457 0.0 0.0 6.82E-06 2.81E-04 3.08E-03 1.59F-02 5 3 72 73 15711.97 2 3591+24 2.7846 0.0303 0.0 3.90E-06 7.04E-04 1.08E-04 2.24F-03 4.81E-03 10 12 31 32 22087.72 3591.48 2.7844 0.0331 0.0 3.04E-06 3-90E-04 6.36E-03 3.74E-02 1.24E-01 15 13 88 87 38435.39 3591.71 2.7842 . 0.0303 0.0 0.0 0.0 4.25E-06 1.20E-04 1.22E-03 16 14 66 65 34705.62 3592.20 2.7838 0.0303 0.0 0.0 0.0 2.78E-05 5.48E-04 4.32E-03 3 1 90 91 17660.10 3592.53 2.7836 0.0303 0.0 1.97E-05 8.75E-04 7.54E-03 2.90E-02 7-11E-02 16 14 25 24 28624.89 3592.71 2.7834 0.0437 0.0 0.0 6.74F-06 2.81E-04 3.10E-03 1.61F-02 15 13 2 3 25826.20 3592.72 2.7834 0.0509 0.0 0.0 4.73E-06 1:32E-04 1.11F-03 4.77E-03 14 12 10 11 24212.08 3592.73 2.7834 0.0625 0.0 0.0 4.49E-05 9.93E-04 7.16E-03 2.75E-02 B 6 61 62 19469.31 3593.01 2.7832 0.0303 0.0 2.62E-05 1.79E-03 2.01E-02 9.18E-02 2.55E-01 10 3593.43 47 48 20567-13 2.7829 0.0303 0.0 1.23E-05 1.10E-03 1.44E-02 7.32E-02 2.19E-01 13 21 11 22 23004.38 1 3593.62 2.7827 0.0496 0.0 1.08E-06 1.73E-04 3.22E-03 2.07E~02 7.32E-02 7 5 59 60 16580.31 3593.64 2.7827 0.0303 0.0 3.13E-06 1.07E-04 7.88E-04 2.73E-03 6.21E-03 2 -0 95 96 17367.91 3593.66 2.7827 0.0303 0.0 8.94E-06 3.70E-04 3.06E-03 1.14E-02 2.75E-02 16 14 65 64 34494.25 3593.76 2.7826 0.0303 0.0 0.0 0.0 3.07F-05 5.94E-04 4.61E-03 8 6 52 53 17131.43 2 3594.13 2.7823 0.0303 0.0 2.27E-06 8.87E-05 7.05E-04 2.58F-03 6.09E-03 3 79 80 18209.59 3594.18 2.7823 0.0303 0.0 3.66E-05 1.86E-03 1.73E-02 7.02E-02 1.79E-01 16 14 26 25 28708.40 1 3594.20 2.7823 0.0418 0.0 0.0 6.63E-06 2.80E-04 3-11E-03 1.62E-02 11 9 39 40 21220.01 3594.72 2.7819 0.0303 7.00E-06 0.0 7.30E-04 1.05E-02 5.68F-02 1.78E-01 7 <del>-</del>5 54 55 19935.07 3594.92 2.7817 0.0303 0.0 1.99E-05 1.52E-03 1 .82E-02 8.72F-02 2+50E-01 15 13 87 86 38156.60 3595.01 ...0.0 2.7816 0.0303 0.0 0.0 4.92E-06 1.35E-04 1.356-03 16 14 64 63 34285.92 1 3595.23 2.7815 0.0303 0.0 0.0 0.0 3.39E-05 6.42E-04 4.92E-03 E9 84 14815.63 3595.57 2.7812 0.0303 0.0 2.96E-06 6.64E-05 3.795-04 1.11E-03 2.24F-03 16 14 26 27 28795.22 'n 3595.62 2.7812 0.0398 0.0 0.0 6.49E-06 2.78E-04 3-11E-03 1.63E-02 15 13 25836.37 3595.83 2.7810 0.0611 0.0 0.0 6.30E-06 1.48E-03 1 . 76E-04 6.375-03 5 67 68 18926.79 3595.84 2.7810 0.0303 0.0 3.51E-05 2.12F~03 2 . 19E-02 9.50E-02 2.54E-01 74 18506.41 3596.22 2.7807 0.0303 0.0 2.15E-03 3.965-05 2.10E-02 8.75E-02 2 • 27F-01 16 14 Έã¨ 62 34080.64 3596.63 2.7804 0.0303 0.0 0.0 0.0 3.73E-05 6.93E-04 5.23E-03 24174.43 3596.85 2,7802 0.0624 0.0 0.0 4.21E-05 9.27E-04 6.66E-03 2+55E-02 16 14 28 27 28885.35 1 3596.97 2.7801 0.0379 0.0 0.0 6.34E-06 2.75E-04 3.10E-03 1 . 64F-02 12 10 21976.67 31 3597.06 2.7800 0.0335 0.0 3.28E-06 4.11F-04 6.59E-03 3.83E-02 1.26F-01 4 65 66 15961.02 -2 3597.56 2.7797 0.0303 0.0 4.32E-06 1.27E-04 8 . 58F-04 2.80E-03 6-10F-03 61 33878.44 3597.95 2.7794 0.0303 0.0 0.0 0.0 4.10E-05 7.47E-04 15 13 86 5.566-03 85 37880.65 3598.23 2.7791 0.0303 0.0 0.0 0.0 5.67E-06 1.52E-04 1.49F-03 14 28 28978.78 3598.25 2.7791 0.0359 0.0 0.0 6.16F-06 2.71E-04 3.08F-03 1.64E-02 · 2 15077.32 2 77 78 3598.49 2.7789 0.0303 0.0 4.45F-06 1.06E-04 6.30E-04 1.89F-03 3.88F-03 20 21 22928.51 3598.51 2.7789 0.0515 0.0 1.12E-06 1.75F-04 7.24F-02 3.23F-03 2.06E-02 15 13 Ē 4 25849.93 3598.87 2.7786 0.0614 0.0 0.0 7.84E-06 2.19E-04 1.855-03 7.96F-03 17728.62 3598.93 2.7786 0.0303 0.0 3.58F-05 5.45F-02 1.62F~03 1 - 41E-02 1.34F-01 3 72 71 15459.54 3599.16 2.7784 0.0303 0.0 4.92E-06 1.29E-04 8.05E-04 2.51E-03 5.28F-03 14 61 60 33679.31 3599.20 2.7784 0.0303 0.0 0.0 0.0 4.49F-05 8.04E-04 5.90F-03 0 88 89 14361.15 2 3599.38 2.7783 0.0303 0.0 1.56E-06 3.14E-05 1.68E-04 4.70E-04 9.19E-04 30 29 29075.50 3599.45 2.7782 0.0340 0.0 0.0 5.97E-06 2.66E-04 3.06E-03 1.64F-02 10 8 46 47 20398.72 3600.11 2.7777 0.0303 0.0 1.42E-05 1.22E-03 1 . 56E-02 7.80E-02 2.31F-01 33483.27 2.7775 3600.36 0.0303 0.0 0.0 0.0 4.926-05 8.63F-04 6.26F-03 16 14 31 30 29175.52 3600.57 2.7773 0.0335 0.0 0.0 5.78E-06 2.61E-04 3.03F-03 1.64E-02 6 60 61 19249.80 3600.63 2.7773 0.0303 0.0 3.19E-05 2.07F-03 2.24F-02 1.01F-01 2.75E-01 5 58 59 16374.42 3600.77 2.7772 0.0303 0.0 3.76E-06 8.76E-04 1.23F-04 2.98F-03 6.67F-03 -- .. . <u>B</u> 52 16950.35 2 6 5 t 3600.82 2.7771 0.0303 0.0 2.66E~06 9.95E-05 7.73E-04 2.77F-03 6.47F-93

,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	U VL	IJÜ	JĽ	LOWER	CODE	WAVE	AVAE	HALF	********	* INTEGRATE	D ** ABSORE		ÉFÉTÇÎENT *	的企业企业企业 的企业企业企业企业 的企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业
				STATE		" NAWBER	LENGTH	₩ÏOTH .	·	**				
,				ENERGY		Ch-1	MICRON	на	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
*	1 9	36	~~~ ~~	22000.27	**	3600.85	2.7771	0.0303	0.0	7.83E-06	7.906-04	1.116-02	5.955-02	1.84F-01
	1 9 4 12	<u> </u>	39	21080.37		3600.90	2.7771	0.0624	0.0	0.0	3.90F-05	8.545-94	6 · 12F - 03	2.34E-02
		85	84	37607.55	1	3601+37	2.7767	0.0303	0.0	0.0	9.0	6.536-06	1.70F-04	1.645-03
	5 13 6 14	59	58	33290.32	<b>.</b>	3601.45	2.7767	0.0303	0.0			5.38F-05	9.275-04	6.63E-03
	6 14	32	31	29278.62	, . 1	3601.63	2.7765	0.0331	0.0	0.0	5-576-06	2.55E-04	3.00E-03	1.635-02
	Š – 13	. 35	~~ <u>~</u>	25866.88		3601.84	2.7764	0.0617	0.0	0.0	9.34E-06	2.62E-04	~ 2.25E-03	9.54F-03
_	3 1	89	90	17331.98	i	3602.03	2.7762	0.0303	0.0	2.676-05	1-105-03	9.01E-03	3.36F-02	5.06F-02
	<u> </u>	. 53	54	19741.15	* # 1	3602.07	2.7762	0.0303	0.0	2.36E-05	1.73E-03	2+01F-02	9.446-12	2.67F-01
	6 14	58	57	33100.48	ĩ	3602.45	2.7759	0.0303	0.0	0.0	0.0	5+87F-05	9.945-04	7.025-03
	ž io	~~~~. 25	30	21869.04	~ į ~	3602.58	2.7758	0.0340	0.0	3.53E-06	4.31E-04	E0-308 6	~3,92F÷0?*	1.285-01
	6 14	33	32	29385.40	ĭ	3602.60	2.7758	0.0326	0.0	0.0	5.355-06	\$ 40E-V4	2.95E-03	1.62F-02
	5 3	78	79	17923.02	<del>-</del>	3602.98	2.7755	0.0303	0.0	4.77E-05	2.266-03	2.02F-02	7.98F-02	1.99F-01
	3 11	19	20	22856.06	1	3603.34	2.7752	0.0535	0.0	1-15F-06	1.77E-04	3.22E-03	2.04E-02	7.14F-02
	6 14	57	56	32913.75	1	3603.38	2.7752	0.0303	0.0	0.0	0.0	6.398-05	1+06F-03	7.41E-03
	2 0	94	95	17020.62	1	3603.48	2.7751	0.0303	0.0	1.24F-05	4.71F-04	3.70E-03	_ 1.346-02	3.14F-02
~· · 1	6 14	34	33	29495.27	1 1	3603.51	2.7751	0.0321	0.0	0.0	5.12E-06	2.476-04	2.97E-03	1.60=-92
	7 5	€6	67	18684.96	1	3603,85	2.7748	0.0303	0.0	4.38E-05	2.495-03	2.482-02	1+056-01	2.77F-01
	" î	``ēz‴	~~ E3 ~	14522.95	2	3604.17	2.7746	0.0303	0.0	3.898-06	8.13E-05	4 + 45E - 04	1.27E-03	2.50F-03
1	6 14	56	55	32730-14	1	3604.23	2.7745	0.0303	0.0	0.0	0.0	6.056-05	1.14E-03	7.82F-03
	6 14	35	34	29608.40	ì	3604.34	2.7744	0.0317	0.0	0.0	4.895-06	2+356-04	2.85E-03	1.588-02
F-1	5 13	84	83	37337.31		3604 • 42	2.7744	2.0303	0.0	0.0	0.0	7.50E-06	1.91F~?4	1.87E-03
	6 4	72	73	18242.22	***	3604.63	2.7742	0.0303	0.0	5.045-05	2.585-03	2.416-02	9.835-02	2.51E-01
1	5 13	. 7	6	25887.22		3604.74	2 - 7741	0.0620	0.0	0.0	1.08E-05	3.04E-04	2.55e-03_	1:11E-02
• • • • • • • •	4 12	~ ~ ~	8	24109.38	1	3604.87	2.7740	0.0623	0.0	0.0	3.56E-05	7 + 76 E-04	\$.55 <b>€~0</b> 3	2.11E-02
1	5 14	55	_54	32549.66	1	3605.01	2.7739	0.0303	0.0	0.0	1.03F-06	7.54F-05	1.21F-03	8.23F-03
	6 4	64	65	15733.51	2	3605.06	2.7739	0.0303	9 • 0	5.308-06	1.48E-04	9+658-04	3.086-93	6.626-03
* A **	6 14	34,	_35_	29724.80		3605.09	2+7739	2150.0	<u> </u>	0.0	4.65E-76	2.27E-04	2.785-03_	1.56F-02
	6 14	54	53	32372.31	1	3605.70	2.7734	0.0303	0.0	0.0	1.145-06	8 · 16E-05	1.29F-03	8.655-03
· *** *** ***	6 14	37	36	29844.47	<u>i</u>	3605.77	2.7733	0.0308	0.0	0.0	4.41E-06	2.108-04	2.72F-03.	1.54E-02
	6 14	53	52	32198-11	1	3606.32	2.7729	0.0303	0.0	0+0	1.26E-06	8.81E-05	1.378-93	9.086-03
	5 14	_ 38_	37	29967.39	<u> </u>	3606.37	2.7729	0.0303	0.0	0.0	4.17E-06	2-11F-04	<u> 2-655-03</u>	1.51E-02
	0 8	45	46	20233.70	1	3606.73	2.7726	9+0302	0.0	1.648-05	1.35E→03	1.68F-92	#+30F-02	2.43F-01 4.29F-03
	4 2	.76	. 77	14806.39	- <u>2</u>	3606.73	2.7726	0.0303	2.0	5.71E-06	1.265-04	7.29E-04 9.49E-05	2.13F-03	9+51E-03
	6 14	52	51	32027.05	ž.	3606.86	2.7725	0.0303	0.0	9∗0 0•0	1.39E-06 3.93E-06	2.935-94	2.57F-03	1.48F-02
	후 그셨.	39	38	30093.57		3606.90	2.7725	0.0303	0.0	8.72E-06	8.52E-04	1.185-02	6-21F-02	1.91F-01
	ī 9 5 3	70	38 71	20944.14	4	3606.93 3607.04	2.7724	0.0303	0.0	6.17E-06	1.526-04	9.19E-04	2.79E-03	5.786-03
Annual States of the Parkers		51	50	31859.17		3607.32	2.7721	0.0303	0.0	0.0	1.54E-06	1.025-04	1.536-03	9.956-03
•	6 14 6 14	40	30 39	30223.00	,	3607.35	2.7721	0.0303	0.0	9.0	3-59E-06	1.94E-94	2.496-03	1.445-02
	5 13	83	82	37069.95	(	3607.39	2.7721	0.0303	0.0	0.0	0.0	8.60E-06	2-136-04	1.976-03
	8 5	50	51	16772.57	à	3607.46	2.7720	0.0303	0.0	3.11E-05	1.116-04	8 + 43E-04	2.97E-03	6+86E-03
	5 13	.≃ĕ"	· <del>~;</del> ~	25910.95	~÷·	3607.57	2.7719	7.0623	0.0	0.0	1.22E-05	3.45F-04	2.936-03	1.265-02
	6 14	50	40	31694.45	1	3607.71	2.7718	0.0303	0.0	0.0	1.69E-06	1.095-04	1.62E-03	1.045-02
	6 14	41	40	30355.66	<u>~~~</u>	3607.73	2.7718	0.0303	0.0	0.0	3.45E-06	1.85E-04	2.416-03	1.41F-02
	7 5	57	58	16171.80	2	3607.84	2.7717	0.0303	0.0	4.51E-06	1.40E-04	9.726-04	3.246-03	7+16F-03
	5 14	Ãġ.	48	31532.90		3608.02	2.7716	0.0303	0.0	0.0	1.855-06	1.17E-04	1.71E-03	1.08F-02
	6 14	42	41	30491.56	1	3608.03	2,7716	0.0303	0.0	0.0	3.235-06	1.76E-04	2.32E-03	1.375-02
	Z 10	28	29	21764.84	" j '	3608.04	2.7716	0.0359	0.0	3.79F-06	4.51E-04	7.02E-03	4.01E-02	1.30E-01
	4 2	23	84	17422.89	1	3608.05	2.7716	0.0303	0.0	4.75E-05	2.00E-03	1.66F-02	6-268-07	1-516-01
	3 11	10	19	22787.05	1	3608.10	2,7715	0.0552	0.0	1.17E-06	1.775-04	3.20F-03	2.01F-02	7.01E-02
	8 6	59	60	19033-64	1	3608.18	2.7715	0.0303	0.0	3.86E-05	2.39E-03	2.51E-72	1.108-01	2.96F-01
A	6 14	48	47	31374.53	<del>-</del>	3608-25	2.7714	0.0303	0+0	0.0	2.02F-06	1 . 25E-04	1.795-03	1.136-02
	6 14		42	30630.69	1	3608.26	2.7714	0.0303	0.0	0.0	3.01E-06	1 + 68E-04	2.24E-03	1.335-02
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										***************************************				

¥U	3	VL.	JU	46.	LOWER STATE	CODE	BYAW REBNUN	YAVE LENGTH	HALF WIOTH	*********	* INTEGRATI	ED ** ABSOR CM*GI		FFICIENT *	<b>安林水水水水</b>
	,,,,,,,				ENERGY		CM-1	HICRON	HZ	T = 1000	T = 1500	T = 2000	Y = 2500	T = 3000	7 = 3500
2		0	87	86	14049.87	2	3608.28	2.7714	0.8303	0.0	2.09F-06	7.90E-05	1.005-04	5.42E-04	1.04F-03
15		14	47	40	31219.36	ī	3608.40	2.7713	0.0303	0.0	0.0	3.20E-00	1.338-04	1.88E-03	1.17F-02
		34	44	4.7	30773.04	I	_3608.41	2.7713	0.20303	010		2_79E-06_	1.59E_74	2:15E-23	1.29F-92
16		14	45	44	30918.60	1	3608.48	2.7712	0+0303	0.0	0.*0	2.596-06	1.50E-04	2.06E-03	1.25F-12
16		14.	46	45	31067.38		3608.48	2.7712	0.0303	0.0	0.0	2.30F-06	1.42F-04	1.97E-03	1.21E-72
14		12	58	97	39712-19	i	3608.68	2 * 7711	6.0303	0.0	0.0	9.0	2.107-05	6.70F-05	<b>学。在森籽一份在</b>
14		12		7	24081.99	~~~ <u>_</u>	3608.78	2.7710	0.0680			3-12F=0 <u></u>	<u> 6:93E-24</u>	4.94F-73	
		13	52	53 21	19550+62	1	3609.16	2.7707	0-0303	0.0	2.79F-05	1.9%8-03	2.715-02	1.02F-01	2.80F-01
15		`i3~	62		25938.07	~~ <b>‡</b> ~	3610.55	2.7699	0.0303	- :::- <u>(</u> - + <del>(</del> <u>)</u> : : - : - : - : - : - : - : - : -	0.0			2.3 <u>?E-04.</u> _	
* <del>-</del> 3		1	88	89	17007.07		3610.33	2.7698	0.0684	0.0	0.0	1.355-05	3.847-04	3-27E-13	1-416-45
		<del></del>	77	78	17639.71	<u>†</u>	3611.46	2.7590	9.0303		3-025-06	<u>1.37F-73</u>	7+08E-03	3.9^E-02	9-145-02
7		**	65	56	18446.48	-	3611.71 3611.81	2.7688 2.7687	0.0303	0+0	5.20F-05	2.74E-03	2.346~42	9.056-02	2.22F-01
	447	4	53	40	15509.25	for a second of a designation	3612.50	2.7882	0.0303	<u> </u>	5.43F-05	8.98E-03_	<u>?+01</u> E=0?		
14		12	<u>«</u>		24058.02		3612.68	2.7681	0.0517	0.0 0.0	6.49F-06 0.0	1.78E-04 2.79E-05	1.085-03 6.05E-04	3,39F-03	7,175-03
3			"ät	- B2	(4233.45		3612.71	2.7690	0.0303	· · · · · · · · · · · · · · · · · · ·	- \$109E-06	9.92E-05			1.575-02
14		12	Ç7	96	39402-37		3612.78	2.7689	0.0303	0+0	0.0 3.042-50	0*0 >*><==0=	5.21E-04 2.47E-06	1-44E-03 7-65E-05	2.795-03
13		11	17	10	22721.46		3612.79	2.7679	0.0568	0.0	1.18E-08	1.775-04	3.16E-03	1.985-02	8.325-04
11		ģ	36	37	20811.34	_	3612.94	2.7678	0.0308	0.0	2.68E-06	9.16E-04	1.245-02	6.475-72	6.866-02 1.976-01
			71	72	17981.34	COLUMN ASSESSMENT ASSE	3612.97		0.0303	C.O	6.408-05	3.075-03	2.781-02	1.105-01	2.76F-01
15		13	10	9	25968.57	•	3613.01	2.7678	0.0624	0.0	0.0	1.486-05	\$ * 7 Gr - UZ	3.60F-03	1.56F-02
18		13	Εì	80	36543.91		3613.10	7677	E010.0	0 • 0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.0	1.125-05	2+65F-04	z-376-03
2		0	93	94	16676.52		3613.23	2.7676	0.0303	0.0	1.706-05	5.985-04	A+47E-03	1.57E-02	3.596-02
10	0	8	44	45	20072.09		3613,29	2.7576	0.0303	0.0	1.88E-05	1.495-03	1.82F-02	8.81F-02	2.3-2-01
12	2	10	27	28	21664.07	1	3613.43	2.7675	0.0379		4.065-96	4.71E-04	7-225-03	4.085-02	1.325-01
8	5	-G	49	ξÖ	16598,08	2	3614.93	2.7670	0.0303	O # O	3.628-06	1 24E-04	76-04	3, 18F - 73°	7.25E-03
7	7	5	56	57	15972.47	2	3614.85	2.7564	0.0303	0.0	5.39F-06	1.505-04	1.08F~03	3.52E-03	7.685-03
	S	3	69	70	14964.37	2	` 3614.85 °	2.7664	0.0303	0.0	7.73F-06	1.70\$-00	1.05E-03	3.112-03	E0-455-5
4	4	2	75	76	14538.66	2	3614,91	2.7663	0.0303	0.0	7-31E-06	1.53E-04	8.42E-04	2+40E-03	4.755-03
15	5	13	1.1	10	24002.45	1	3615.63	2+7658	0.0525	0.0	0.0	1.508-05	4.565-04	3.91=-03	1.705-02
g		6	58	_59.	18820.86		3615+68	2 • 7657	0.0303	0.0	_4:08E-05_	2.755-03	8.80E-02	1.20F-01	3.70F-01
35	5	13	20	73	36285, 25	1	3615.83	2.7656	0-0303	0.0	2.0	manina a manina manadanan Dan D	1.295-05	2.955-04	2.50F-03
9			51	52	19363.47		3616.19	2.7653	EGEO.O	0.0	3.29E-05	2.20E-03	2.427-02	1.10F-01	3.036-01
14	4	12	4	5	24037.46		3616.40	2.7652	0.0614	6.0	0.0	2.37E-05	5.12F-04	3.63E-07	からまれて 1 mm は 1 mm に
14		12	96	95	39095.29		3616.80	2.7649	0.0303	0.0	0.0	0.0	2.90E-06	8.72F-05	9-28F-0A
4		2	82	83	17120.41		3617.11	2.7646	0.0303	0.0	6.308-05	2.46F-03	1.966-02	7.17E-02	1.608-01
2			<u>. 66</u>	. 97	13741.75		3617.13	2.7646	0.0303	0.0	2.79E-06	4.83E-05	2.365-04	5.24F-04	1.170-03
13		11	16	17	22659.31		3617.41	2.7644	0.0585	0.0	1.19E-06	1.766-04	3.118-03	1.935-02	5.67E-02
. 15		1.3	12	11.	26039.71		3618-17	0.074.5	0.0517	0.0	0.0	1.705-05	4.408-04	4.21E-03	1.835-02
15		13	79	78	36029.51		3618.47	3E87.5	0.0303	0.0	0.0	0.0	1.465-05	3.27E-04	Ep-9F@.\$
12		10	26	27	21566.74		3618.75	2,7634	0.0398	0.0	4.31E-06	4.89E-04	7.40F-03	4 . 14F - 92	1-336-01
ii		9	35	36	20681.98		3618.88	2.7633	0.0312	0.0	1-075-05	9.88R-04	1.31E-02	6.72E-02	2.03F-01
7	-		-64		45.11585		3619.70	7.7627	0.0303		6.TZF:05	3:41E-03.		1 * 2.0E * 01.	
10		9	43	44	19913.90		3619.78	2.7628	0.0303	0.0	2.156-05	1.65E-03	1.95F-02	9.375-02	2.67F-01
		4	62	<u> </u>	75.36521		3619.99		0+0303	0.0		1-995-04	. 1-226-63	3.728-03	7. 705-02
14		12	.3	77	24020.34		3620-10	2.7624	0.0611	0.0	0.0	1.935-05	A.15E-04	2.94F-03	1-125-02
		3	76 48	49	17359.69		3620.39	2.7521	0303		6.036-05	3.35E-03	2 + 7 4 5 - 02	1 -03E-01	2.46F-01
19		5.3	12	12	16426.90 26080.36		3620.54	2.7620	0.0303	0+0	4.19E-06	1.38E-04	9.96E-04	3.40F-03	7.65F-03
14		12	- <del> </del>	94			_ 3620.65	<u></u>			and the same of	<u>}.</u> . <u>20</u> E-25		4.50E-03	
3		1	27	88	38790.96		3620.73	2.7619	0.0303	0.9	0.0	0.0	3.396-06	9.925-05	1.03F-03
15		13	78	77	166 <u>85.3</u> 8 35776.71		3620.85	2.7618	0.0303	<u>0 * 0</u>	4.99E-05	1.7PE-03	1-\$aE-05	4.52E-08	. 1-94E-91-
		-					3621.04	2.7616	0.0303	0.0	0.0	0.0	1.646-05	3.67E-04	3.08F-03
	3	, <u>k</u>	្សញ្ញុ	61	13947-12	. 2	3651+50	2:7515	0.0303	<u>Q.Q</u>	6.646-06	1.21F-04	6-196-04	1 +645-03	B. 120mm73

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

	C A	D.F	an	M	1	40	<b>K11</b>	7	INC

VÚ	VĹ	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATI	ED ** ABSOR CM*G		FFICIENT *	******
		<del></del>		ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
6	4	70	71	17723.78		3621.26	2.7615	0.0303	0.0	8.11E-05	3.66E-03	3.18E-02	1.235-01	3.04E-01
7	5	55	56	15776.43	2	3621.80	2.7611	0.0303	0.0	6.42E-06	1.81E-04	1.19E-03	3.82E-03	8.22E-03
13	11	15	16	22600.61	<u> </u>	3621.97	2.7609	0.0591	0.0	1.19E-06	1.73E-04	3.04E-03	1.88F-02	6+47E-02
5	3	68	69	14721.64	2	3622.61	2.7604	0.0303	0.0	9.64E-06	2.11E-04	1.19E-03	3.45E-03	6.95E-03
	0	92	93	16335.59		3622.93	2.7602	0.0303	0.0	2.34E-05	7.57E-04	5.39E-03	1.83F-02	4.09E-02
.4	. 2	74	75	14274.14 26124.39	2	3623.04	2.7601	0.0303	0.0	9.33€-06	1.84E-04	9.71E-04	2.70E-03	5.24E-03
15 8	13	- <u>14</u> 57	13 58	18611.44	<del>-</del>	3623.05	2.7601	0.0604	0.0	0.0 5.65E-05	1.89F-05	5.50F-04	4.77E-03	2.09E-02
9	7	50	51	19179•72	;	3623.15	2.7600	0.0303	0.0	3.86E-05	3.15E-03 2.47F-03	3.12E-02 2.65E-02	1.31F-01 1.18E-01	3.44E-01 3.22E-01
15	13	77	76	35526+85	<del></del>	3623.53	2.7597	0.0303	0.0	0.0	0.0	1 • 88E - 05	4.02E-04	3.35E-03
14	12	2	3	24006.64	ī	3623.73	2.7596	0.0609	0.0	0.0	1.47E-05	3.15E-04	2.23E-03	8.45F-03
12	10	25	26	21472.84	- <del>i</del>	3624.01	2.7594	0.0418	0.0	4.57E-06	5.07F-04	7.56F-03	4.20E-02	1.34E-01
14	12	94	93	38489.41	1	3624.58	2.7589	0.0303	0.0	0.0	0.0	3.97E-06	1.13E-04	1.15F-03
11	9	34	35	20556.01	1	3624.76	2.7588	0.0317	0.0	1-18E-05	1.05E-03	1.37E-02	6.97E-02	2.08F-01
15	13	15	14	26171.80	1	3625.38	2.7583	0.0597	0.0	0.0	1.96E-05	5.76E-04	5.02F-03	2.20E-02
2	Ö	85	86	13436.77	2	3625.92	2.7579	0.0303	0.0	3.70F-06	5.96E-05	2.79E-04	7.16E-04	1.31E-03
15	13	76	75	35279.96	1	3625.93	2.7579	0.0303	0.0	0.0	0.0	2.135-05	4.44F-04	3.64E-03
4	2	81	82	16821.19	1	3626.11	2.7578	0.0303	0.0	8.32E-05	3.02E-03	2.31E-02	8.21E-02	1.90F-01
10	8	42	43	19759-12	1	3626.20	2.7577	0.0303	0.0	2.44F-05	1.80E-03	2.09E-02	9.865-02	2.79E-01
8	11	14	15	22545.34	1	3626.46	2.7575	0.0597	0 • 0	1.18E-06	1.70E-04	2.95E-03	1.82E-02	6+23F=02
š	6	47	48	16259.04	2	3627.00	2.7571	0.0303	0.0	4.84E-06	1.53E-04	1.08E-03	3.63E~03	8.08F-03
6	4	61		15070.55		3627.22	2.7569	0.0303	0.0	9+62E-06	2.29E-04	1.366-03	4.085-03	8.37F-03
14_	12_	1	2	23996.36	1	3627.30	2 • 7569	0.0606	0.0	0.0	9.89E-06	2.12E-24	1.59E-03	5.68F-03
. 7	5	63	54	17979.55	1	3627.53	2.7567	0.0303	0.0	8.28E-05	3.98E-03	3.59E-02	1 • 4 3E - 0 1	3.57E-01
	_ 13	16	15	26222.57	<u>!</u>	3627.63	2.7566	0.0591	0.0	0.0	2.03F-05	<u></u>	5 <u>.25</u> E-03 .	2.31F-02
15	13	75	74	35036.03		3628.25	2.7561	0.0303	0.0	0.0	0.0	2.40E-05	4.90E-04	3.95F-03
	12	93 54	92 55	38190.62 15583.68	2	3628.35 3628.70	2 • 7561 2 • 7558	0.0303	0.0	0.0 7.62E-06	0.•0	4.63E-06	1.286-04	1.28F-03
5	3	75	76	17082.96	1	3629.01	2.7556	0.0303	0.0	1.04F-04	2.05F-04 4.01E-03	1.31E-03 3.18F-02	4 • 1 3F = 03 1 • 16E = 01	8.77E-03
<del> 12</del> -	10	24	25	21382.39	i	3629.20	2.7554	0.0437	0.0	4.81E-06	5.22E-04	7.70E-03	4.24F-02	2.74E-01
6	4	69	70	17469.54	ī	3629.49	2.7552	0.0303	0.0	1.02E-04	4.345-03	3.645-02	1.38E-01	3.34E-01
	<del></del>	<del>-</del> 79-	80	13663.99	<del>- 2</del>	3629.63	2.7551	0.0303	0.0	8.63F-06	1.47E-04	7.11F-04	1.85F~03	3.476-03
15	13	17	16	26276.73	1	3629.82	2.7550	0.0585	0.0	0.0	2.08E-05	6-21E-04	5.46E-03	2-42F-02
9	7	49	50	18999.38	1	3630.06	2.7548	0.0303	0.0	4.52F-05	2.77F-03	2.90E-02	1.27F-01	3.41F-01
3	1	86	87	16366.91	1	3630.17	2.7547	0.0303	0.0	6.58F-05	2.14F-03	1.545-02	5.22F-02	1 • 17F-01
	3	67	68	14482.17	2	3630.32	2.7546	0.0303	0.0	1.20E-05	2.48E-04	1.35F-03	3.83F-03	7.55E-03
8	6	56	57	18405.41	1	3630.48	2.7545	0.0303	0.0	6 • 79E-05	3.61E-03	3.46E-02	1.435-01	3.70E-01
15	13	74	73	34795.09	ī	3630.50	2.7544	0.0303	0.0	0.0	0.0	2.71E-05	5.40F-04	4.29E-03
11_	_9_	33	34	20433.50	11	3630.58	2.7544	0.0321	0.0	1.29E-05	1.12F-03	1.43F-02	7.21F-02	2.14F-01
14	12	0	1	23989.51	1	3630.79	2.7542	0.0603	0.0	0.0	4.99E-06	1.07E-04	7.56E-04	2.86E-03
13	11	13	14	22493.51	1	3630.88	2.7542	0.0604	0.0	1.17E-06	1.65E-04	2.85F-03	1.755-02	5.97E-02
4	2	73	74	14012.86	2	3631.11	2.7540	0.0303	0.0	1 • 1 9E-05	2.19E-04	1 • 1 2E-03	3.036-03	5.78E-03
15	13	18	17	26334.25	1	3631.93	2.7534	0.0568	0.0	0.0	2.135-05	6.39E-04	5.65E-03	<u>2.51E-02</u>
14	12	92	91	37894.64	1	3632.03	2.7533	0.0303	0.0	0.0	0.0	5.40E-06	1.45F-04	1.42F-03
10	8_	41	42	19607.77		3632.57	2.7529	0.0303	0.0	2.77E-05	1.96E-03	2.24E-02	1 •04E=01.	2.91E-01
	0	91	92	15997.85		3632.58	2,7529	0.0303	0.0	3.20E-05	9.56E-04	6.49F-03	2.135-02	4.665-02
15	13	73	72	34557•13		3632.66	2.7528	0.0303	0.0	0.0	2.0	3.05E-05	5.94F-04	4.64E-03
-	6	46	47	16094.49	2	3633.39	2.7523	0.0303	0.0	5.57E-06	1.70E-04	1.17F-03	3•86⊑→03	8.50F-03
15 12	- <u>13</u> 10	23	18 24	26395.14		3633.97	2.7518	0.0552	-0.0	0 · 0	2.16F-05	6 • 54E-C4	_5.8?F-03_	?.60F-02
	10	23 60	61	14856.11	1 2	3634.33	2.7515	0.0457	0.0	5.05E-06	5.36E-04	7.81E-03	4 • 26E-02	1.34E-01
6_		. <u>60</u>	85	13134.97	2	3634.50	2.7514	0.0303	0.0	1.17E-05 4.90E-06	2.64E-04 7.34E-05	1.52E-03 3.30E-04	8.21E-04	9.02F-03

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE

VÜ	VŁ_	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE "' LENGTH	HALF Width	*****	** INTEGRAT	ED ## ABSOR CM#G		EFFICIENT *	****
				ENERGY		CM-1	MICRON	HZ	T = 1000	T = 1500	T = 2000	T = 2570	T = 3000	T = 3500
4	2	80	81	16525.24	1	3635.06	2.7510	0.0303	0.0	1.09F-04	3.71E-03	2.725-02	9.38F-02	2.136-01
13	11	12	13	22445.13	1	3635.24	2.7598	9.0619	0.0	1 - 14F-06	1.59F-04	2.74F-03	1+676-02	5.68F-02
7,	5	62	63	17751-12		3635.31	2.7508	0.0303	0.0	1.02F-04	4.62F-03	4.04E-02	1.57F-01	3.88F-01
7	5	53	54	15394.23	2	3635.54	2.7506	0.0303	0.0	9.00E-06	2.325-04	1.44E-03	4.46F-93	0.367-73
14_	12	91	90	37601.46	1	3635.63	2.7506	0.0303	0.0	0.0	0.0	6.28E-06	1.54F-04	1.588-03
15	13	20	19	26459.40	1	3635.94	2.7503	0.0535	0.0	0.0	2-18E-05	6+67E-04	5.975-03	2.68E-02
11 15	13	32 71	33 70	20314-43		3636.33	2.7500	0.0326	0.0	1.415-05	1.185-03	1.50E-02	7.43E-02	2.196-01
1.2	13	48	49	34090.25	1	3636.75	2.7497	0.0303	0.0	0.0	0.0	3.84F-05	7.15E-04	5.40F-03
	5-	74	75	18822-44	1	3636.90	2.7496	0.0303	<u> </u>	5-27F-05	3.10F-03	<u>3.16F-02</u>	1.36E-01	3.61F-01
14	12	1	(5	23986.09	1	3637.57 3637.58	2.7491	0.0303	0.0	1.33E-04	4.846-03	3+69E-02	1.31F-01	3.036-01
6	4	68	69	17218-64	<u> </u>	3637.66	2.7491	0.0603	<u> </u>	0.0	5.056-06	1 - 09E-04	7.65F-04	2.896-03
8	6	55	56	18202.77	1	3637.79	2.7489	0.0303	0.0	1+29F-04	5-145-03	4+16F-02	1.545-01	3.665-01
15	13	21	20	26527.02		3637.84	2.7489	0.0303	0.0	8-13E-05 0-0	4.12F-03	3.845-72	1.56F-01	<u> </u>
5	3	66	67	14245.95	ž	3637.96	2.7488	0.0303	0.0		2.198-05	6.76F-04	6.10F-03	2.755-92
3	<del>-</del> -	78	79	13384.06		3638.01	2.7488	2.0303	0.0	1-48F-05		1.53E-03	_ 4.245=23	4.23E-23
15	13	70	69	33861.33	1	3638.67	2.7483	0.0303	0.0	0.0	1.78F-04	8 • 27E-04	2.11F-03	3.865-13
10	8	40	41	19459.85	1	3638.87	2.7481	0.0303	0.0	3.12F-05	0.0 2.14E-03	4+29E-05	7.82F-04	5-82E-03
4	2	72	73	13754.80	2	3639.13	2.7479	0.0303	0.0	1.50E-05	2.61F-04	2 • 39E-02	1.09E-01	3.046-01
ω 14	12	90	89	37311.09	1	3639.15	2.7479	0.0303	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.0		7.29E-66	3.39F-03_	6.30F-0.3.
14 12	10	22	23	21211.84	1	3639.39	2.7477	0.0476	0.0	5+26E-06	5.49E-04		1.85F-04	1.74F-03
3	1	25	86	16051.69	1	3639.44	2.7477	0.0303	0.0	8.83E-05	2.67E~03	7.89E-03 1.83E-02	4 • 27F-92_	1_345-01
13	11	11	12	22400.19	1	3639.52	2.7476	0.0617	0.0	1.10E-05	1.538-04	2 • 60F-03	6.03F-02 1.58E-02	1+32F-01 5+37F-02
15	13	22	21	26598.00	1	3639.66	2.7475	0.0496	0.0	0.0	2.19E-05	6.83F-04	6.207-03	2.81F-^2
8	6	45	46	15933.27	2	3639.73	2.7475	0.0303	0.0	6.39E-06	1.87F=04	1.26F-03	4.10F-03	8.93F-03
15	13	69	68	33635.45	1	3640.51	2.7469	0.0303	0.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.0	4.79E-05	8.54E-04	F. 26 F. 73
14	12	2	1	23989.51	1	3640.86	2.7466	0.0606	0.0	0.0	1.01E-05	2 . 17E-04	1.54E-03	5.81E-03
15	13-	23	22	26672.34	î "" "	3641.41	2.7452	0.0476	0.0		2.186-05	6 88 -74	6.29F-03	2.85F-C2
6	4	59	60	14644.96	2	3641.71	2.7460	0.0303	0.0	1.41E-05	3.03E-04	1-69E-03	4 • B7F-03	9.70F-03
13	11	103	102	39629.28	1	3641.78	2.7459	0.0303	0.0	0.0	0.0	2.05F-26	6.50E-05	7.19F-04
3.1	9	31	32	20198.81	1.	3642.02	2.7457	0.0331	0.0	1.53E-05	1.25F-03	1.56F-02	7.65F-02	2.23F-n
2	0	90	~91 [~]	15663.33	1	3642.16	2.7456	0.0303	0.0	4.37F-05	1.20E-03	7.798-03	2.48F-02	5.30F-02
15	13	68	67	33412.62	1	3642.28	2.7455	0.0303	0.0	0.0	0.0	5.34F-05	9.315-04	6.72F-03
7	5	52	53	15208+11	2	3642.32	2.7455	0.0303	0.0	1.06F-05	7.51E-04	1.58E-03	4.81F-03	ื่≎. 96ค่∸ก็∃ั
14	12	89	89	37023.57	1	3642.58	2.7453	0.0303	0.0	0.0	0.0	8.47E-06	2-09F-04	1.935-03
7	5	61	62	17526.07	1	3643.02	2.7450	0.0303	0.0	1.25E-04	5.368-03	4.54E-02	1.739-01	4.205-01
15_	13	24	23	26750.03	1	3643.08	2.7449	0.0457	0.0	0.0	2.165-05	6 - 89E-04	6.355-03	3.90E-05
2	0	83	84	12836.35	2	3643.34	2.7447	0.0303	0.0	6.47E-06	9.038-05	3.88E-04	9.40F-04	1.66F-03
9	7	47.	48	18648.93	. 1	3643.68	2.7445	0.0303	0.0	6.12E-05	3.45E-03	3+43E-02	1.455-01	3.825-01
13	11	10	11	22358.71	1	3643.74	2.7444	0.0625	0.0	1.96E-06	1.45E-04	"2+46F-03	1.495-72	`\$.~3E-n\$
4	2	79	60	16232.57	<u>i</u>	3643.95	2.7443	0.0303	0.0	1.44E-04	4.57E-03	3.10F-02	1+075-01	2.385-01
15	13	67	66	33192.84	1	3643.96	2.7443	0.0303	0.0	0.0	0.0	ี้ จึ∙ 93E-95	1.016-03	7.215-03
	12	3	2_	23996.36	. ~~.	3644.08	2.7442	0.0509		0.0	1.525-05	3 - 26E-04	2.315-03	8.745-03
12	10	21	22	21131.74	1	3644.38	2.7440	0.0496	0.0	5.46E-06	5.59F-74	7.94E-03	4.27F-02	1.336-01
15	_13_	25	24	26831.07		3644.69	2.7437	0.0437	0.0	c.o/	2.13E-05	6+895-04	6.30=~03	` 2.94F-n2
8	6	54	55	18003.52	1	3645.04	2.7435	0.0303	0.0	0.71E-05	4.50E-03	4.255-02	1 • 6 9E = 0 1	4.25F-01
10		39	40 .	19315.37	<u>. i</u>	3645-11	2.7434	0.0303	<u>" "0</u> •3 − '-	3.51F-05	_2,32F-03	2.54F-02	1 - 150-01	° 3•16€-01
5	3	65	66	14013.01	2	3645.55	2.7431	0.0303	0.0	1.83F-05	3.39E~04	1.73F-13	4 • 6 RF ~ 73	8.945-03
15_	13.	66	_65	32976.12			2.7431	0.0303			~ C • U	.6 •52E-15	1.10E-03	7.715-03
6	4	67	68	16971.09	1	3645.77	2.7429	0.0303	0.0	1.61E-04	6.075-03	4.70=-02	1.71F-01	4.00E=01
14	12	88_	87	36738.89	_ 1	3645.93.	2.7428	0.0303	0.0	0.0	0.0	0.82F-06	2.436F-04	2.145-03
8	5	44	45	15775.39	2	3646.01	2.7427	0.0303	0.0	7.30F-06	2.06F-04	1.35F-03	4.34E-03	0.365-03
5	3	73	74	16539.45	1	3646.07	2.7427	C0E0.0	0.0	1.71E-94		4.275-02	1.485-01	3.358-01

νú	VĹ"	JŪ	JL	LOWER	CODE	WAVE	WAVE	HALF		44 TAITES	ED 44 1555			A Ashaba San
VO	٧L	Ju	JL	STATE	CUDE	NUMBER	LENGTH	WIOTH	*****	** INTEGRAT	ED ** ABSOR CM*G		EFFICIENT *	*****
		~	<del>-</del>	ENERGY		CM-1	MICRON	HS	T = 1000	T = 1500	1 = 2000	T = 2500	T = 3000	T = 350
15	13	26	25	26915.45	1	3646.22	2.7426	0.0418	0.0	0.0	2.10E-05	6.85F-04	6.41E-03	2.97E-0
13	11	102	101	39302.44	1	3646.27	2.7425	0.0303	0.0	0.0	0.0	2.44E-06	7-49F-05	8.10F-2
3	' <u>5</u>	_,77		13107.35		3646.34	2.7425	0.0303	0.0	1.44F-05	2.15E-04	9.61E-14	2+39E-03	4 - 28E-C
4		71		13499.99		3647.09	2.7419	0.0303	0.0	1.90E-05	3.10E-04	1.475-03	3.79E-03	6.99F-0
15	13	_€5		32762.48		3647.09	2.7419	0.0303	0.0	0.0	0.0	7.28E-05	1.19E-03	8 25E-1
14	12	4	_	24006.64		3647.22	2.7418	0.0611	0.0	0.0	2.02E-05	4.35F÷04	3•08F-03	1.17E-0
15	13	30 27		20086.64		3647.64	2.7415	0.0335	0.0	1.66E-05	1.32E-03	1.61E-02	7-84F-02	2.27E-0
13	11	9		27003.18		3647.67 3647.89	2.7415 2.7413	0.0398 0.0624	0.0	0.0	2.05E-05	6.79E-04	6.41E-03	2.98E-0
15	îŝ	64		32551.91	,	3648.53	2.7408	0.0303	0.0	0.0	1.36E-04 1.09E-06	2.29E-03	1.38E-02	4.66E-0
7,3	13	84		15739.73	1	3648.65	2.7407	0.0303	0.0	1.18F-04	3.31F-03	8.04E-05 2.17F-02	1.29E-03 6.95E-02	8.80E-0
		58		14437.11		3648.87	2.7406	0.0303	0.0	1.70E-05	3.47E-04	1.88E-03	5.31E-03	1.04E-0
7	5	51		15025.29		3649.04	2.7404	0.0303	0.0	1.25E-05	2.94E-04	1.73F-03	5.17E-03	1.04E-0
15	13	28		27094.25		3649.06	2.7404	0.0379	0.0	0.0	2.00F-05	6.72E-04	6.39F-03	2.99F-0
14	12	27	86	36457.07	1	3649.20	2.7403	0.0303	0.0	0.0	0.0	1-146-05	2.66F-04	2.36E-0
12	10	20		21055.10		3649.31	2.7402	0.0515	0.0	5.64E-06	5.66E-04	7.96E-03	4.25F-02	1 - 31E-1
15	13	63		32344.45	1	3649.90	2.7398	0.0303	0.0	0.0	1.24E-06	8.87F-05	1.40E-03	9.38F-0
14	12	5	•	24020.34		3650.30	2.7395	0.0514	0.0	0.0	2.52F-05	5.42E-04	3.85F-03	1.46E-9
15	13	2,9		27188.66		3650+37	2.7394	0.0359	0.0	0.0	1.95E-05	6.62E-04	6.36F-03	3.00F-0
9	7	46		18478 - 84		3650.39	2.7394	0.0303	0.0	7.08F-05	3.83E-03	3.72E-02	1.555-01	4.02E-0
7	5	60				3650.67	2.7392	E010-0	2.0.0	1.52E-04	6.21E-03	5.09E-02	.1 • 89E 01	4.53E-0
13			100		_	3650.67	2.7392	0.0303	0.0	0.0	0.0	2.89E-06	8.61E-05	9.11E-0
15 10	13 8	62 38		32140.09		_3651.19 _	2.7388	. 0.0303	. <u></u>	0.0	1.41E-06	9.75E-05	1.51E-03	9•97F=0
15	13	30		19174.33 27286.39		3651.28 3651.60	2.7388 2.7385	0.0303 0.0340	0.0	3.93E-05	2.52E-03	2.70F-02	1.20E-01	3.27F-0
·· 2	~ ~	éģ		75332.04	~ <del>^</del> ~~	3651.70	2.7385	0.0323	0.0	0.0 5.94F-05	1.89E-05 1.51F-03	6.50E-04 9.345-03	6.30E-03	2.99E-1
13	11	8		22286.09	ī	3651.97	2.7382	0.0624	0.0	0.0	1.26F-04	2.11E-03	2.89E-02 1.27E-02	6+02F-0 4+27E-0
2	0	82		12540.93	2	3651.97	2.7382	0.0303	0.0	8.51E-06	1.17E-04	4.56E-04	1.075-03	1.85E-0
·8	6	43		15620.85		3652.23	2.7381	0.0303	0.0	8.31E-06	2.26E-04	1.45F-03	4.59E-03	9.79F-0
8	6	53	54	17807.68	1	3652.23	2.7381	0.0303	0.0	1.15E-04	5.32E-03	4.695-02	1.835-01	4.54E-0
14	12	86	. 25	36178.12	1	3652.39	2.7379	0.0303	0.0	0.0	0.0	1.31E-05	2.99F-04	2.61F-0
15	13	61	60	31938.83	1	3652.40	2.7379	0.0303	0.0	0.0	1.59E-06	1.07F-04	1.62F-03	1.06F-0
15	13	31	30	27387.45	_1	3652.76	2.7377	0.0335	0.0	0.0	1.82E-05	6.37E-04	6.24E-93	_2.98F-0
4	2	78		15943.20	1	3652.78	2.7376	0.0303	0.0	1.88E-04	5.536-03	3.73F-02	1.22F-01	2.66E-9
5	3	-64		13783.34		3653.09	2.7374	0.0303	0.0	2.26F-05	3.95E-04	1.95F-03	5.16E-03	9.715-0
11	9	29 6		19977.94	1	3653.19	2.7373	0.0340	0.0	1.79E-05	1.38F-03	1 • 67E-02	9.03E~05	2.31E-0
<u>14</u>	12 13	-60		24037.46		3653.30	2.7373	0.0617	<u> </u>	0.0	3.10F-05	6-48E-04	4.60F-03	1.756-0
- 15	13	66		16726.89	1	3653.53	2•7371 2•7369	0.0303 0.0303	0.0	0.0	1.79E-06	1 - 17E-04	1.74E-03	1 • 1 2E-0
ıš	-ī3	.35		27491.84	- <u>i</u>	3653.85	2.7368	0.0331	0.0	2.01E-04	7.15E-03 1.76E-05	5.40E-02 6.23E-04	1.90E-01 6.17E-03	4.37F-0
12	10	19		20981.92		3654.17	2.7366	0.0535	0.0	5.79E-06	5.71E-04	7.94F-03	4.21E-02	1.30E-0
5	3	72		16272.68		3654.51	2.7363	0.0303	- <del>c.</del> ó	2.18E-04	6.97F-03	4.92E-02	1.66E-01	3.70E-0
15	13	59	58	31545.70	1	3654.58	2.7363	0.0303	0.0	0.0	2.92E-06	1.28E-04	1.87E-03	1 • 19E=0
E	1	76	77	12833.86	2 2	3654.51	2.7363	0.0303	0.0	1.86E-05	2.59E-04	1.11E-03	2.70F-03	4.75E-0
15	13	_33		27599.54	1	3654.86	2.7361	0.0326	0.0	0.0	1.69F-05	6.08E-04	6.08F-23	2.95F-0
13	īī -			38656-87	1	3654.99	2.7360	0.0303	0.0	0.0	0.0	3.43F-06	9.89E-05	1.02E-0
. 4.	2	70	71	13248.44	. 2	3654.99	2.7360	0.0303	0.0	2.39E-05	3.68F-04	1.68E-03	4.23E-03	7.66E-0
14	12	es		35902.06	1	3655.50	2.7356	0.0303	0.0	0.0	0.0	1.51F-05	3.36E-04	2.87E-0
15	13	-58		31353-83		3655.55	2.7356	0.0303	0.0	0.0	2.27F-06	1.40E-04	2.01F-03	1.26F-0
. 7	<u>'</u> 5	50	51	14845.80	2	3655.71	2.7354	0.0303	0.0	1.46E-05	3.20F-04	1.89E-03	5.55F-03	1 - 1 2F-0
<u>15</u> _	13	34	33	27710.55	—- <del>,</del> ,-—-	3655-80	2.7354	0.0321	<u></u>	0.0	1.61F-05	5.91E-04	5.97E-03	2.92F-0
-		57	58	14232-57	2	3655.98	2 - 7352	0.0303	0 • 0	2.04E-05	3.97E-04	2.09E-03	5.795-03	1 - 1 2E-0
13	. 11	•	8	22254.96	1	3655.99	2.7352	0.0623	0.0	0.0	1.15F-04	1 • 92F-^3	1 • 15E-02	3.87E-0

VÜ	VI	ال	J JE	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR		FFICTENT *	*****
- 700				ENERG	r	CM-1	MICRON	HS	T = 1000	T = 1500	000S = T	T = 2500	T = 3000	T = 3500
14	12		7 6	24058.	2 1	3656+24	2.7351	0.0620	0.0	0.0	3.47E-05	7.51E-04	5.35E-03	2.03F-02
15	13	5	7 56	31165.	11 1	3656.45	2.7349	0.0303	0.0	0.0	2.54E-06	1.538-04	2-157-03	1.33E-02
15	13	3	5 34	27824.	67 1	3656.66	2.7347	0.0317	0.0	0.0	1-54E-05	5.735-04	5.85E-03	2.8RF-02
9	7	4	5 46	18312.	8 1	3657.05	2.7344	0.0303	0.0	8.16E-05	4.258-03	4.03E-02	1.65E-01	4.24E-01
15					55 1	3657.26	2.7343	0.0303	0.0	0.0	2.8AE-06	1.675-04	2+30F-03	1.41E-02
10	e	3	7 38	19036.	74 1	3657.39	2.7342	0.0303	0.0	4.396-05	2.72E-03	2.866-02	1.26E-01	3.39E-01
15				27942.	50 1	3657.45	2.7341	0.0312	0.0	0.0	1.466-05	5.546-04	5.72E-03	2.84E-02
3						3657.81	2 . 7339	0.0303	0.0	1.57E-04	4-105-03	2.576-02	7.995-02	1-685-01
15						3658.00	2.7337	0.0303	0.0	0.0	3.17E-06	1.81E-04	2.465-03	1.48F-02
15						3658.16	2.7336	8020+0	0.0	0.0	1.398-05	5.34E-04	5.58E-03	2.79F-02
7						3658.27	2.7335	0.0303	0.0	1.85F-04	7.16E-03	5.69E-72	2.07E-01	4.89E-01
8		5 4	2 43	15469.	65 2	3658.39	2.7334	0.0303	0.0	9.42E-06	2.476-04	1.55#-03	4-85F-03	1.02F-02
14						3658.52	2.7333	0.0303	0.0	0+0	0.0	1.748-05	3.76E-04	3.16E-03
15	13	5	4 53			3658.67	2.7332	0.0303	0.0	0+0	3.525-06	1.966-04	2.62E-73	1.56E-02
11		2				3658.68	2.7332	0.0359	0.0	1.92F-05	1.455-03	1.72E-02	8.20E-02	2.34E-01
15						3658.80	2.7331	0.0303	0.0	0.0	1.31E-05	5 • 1 4E-04	5.43E-03	2.74F-02
12						3658.96	2.7330	0.0552	0.0	5.90E-06	5.735-04	7.898-03	4.15E-02	1.27E-01
14			8			3659.10	2.7329	0.0623	0.0	0.0	3.926-05	8.51E-04	6.07F-03	2.31F-02
13						3659.22	2.7328	0.0303	0.0	0.0	0.0	4.05E-06	1.13E-04	1.15F-03
15						3659.25	2+7328	0.0303	0.0	0.0	3.90E-06	2.12E-04	2.78E-03	1+64E-02
15 5			2 5			3659.36	2.7327	0.0303	0.0	1.37E-04	6.03E-03	5-176-02	1.98F-01	4.85E-01
15			9 3			3659.36	2.7327	0.0303	0.0	0.0	1.23E-05	4.938-04	5.276-03	5.69E-05
15			2 5			3659.76	2.7324	0.0303	0.0	0.0	4.31F-06	2.28E-04	2.95E-03	1.72E-02
15			0 3			3659.85	2 - 7324	0.0303	0.0	0.0	1.165-05	4.71E-04	5.11E-03	2.63F-02
13				7 22227.		3659.93	2.7323	0.0620	0.0	0.0	1.03E-04	1.726-03	1.025-02	3.44E-02
15			1 5			3660.19	2.7321	0.0303	0.0	0.0	4.766-06	2.46E-04	3.12F-03	1.80E-02
15			1 4			3660.26	2.7320	0.0303	0.0	0.0	1.085-05	4.50E-04	4.94E-03	2.56E-02
15			0 4			3660.54	2.7318	0.0303	0.0	0.0	5.23E-06	2.648-04	3.30E-03	1.88F-02
2			1 8			3660.55	2.7318	0.0303	0.0	1.125-05	1.35E-04	5.355-04	1.23E-03	2.07E-03
5			3 6			3660.57	2.7318	0.0303	0.0	2.776-05	4.59E-04	2.19E-03	5.685-03	1.05E-02
15			2 4			3660.60	2.7318	0.0303	0 - 0	2.0	1.01E-05	4.28E-04	4.76F-03	2.49E-02 1.96F-02
15			9 4			3660.81	2.7316	0.0303	0.0	0.0	5.74E-06	2.838-04	3.48E-03	2.42E-02
	5 1,		3 4			3660.86	2.7316	0.0303	0.0	0.0	9.40E-06	4.06F-04	4.58E-03 3.66E-03	2.04F-02
1:			8 4			3661.01	2.7315	0.0303	0.0	0.0	6.275-06	3.025-04	4.40E-03	2.35F-02
			4 4			3661.04	2.7315	0.0303	0.0	0.0	8.72E-06	3.856-04		~~~~ <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>
1:			7 4			3661.13	2.7314	0.0303	0.0	0.0	6.84E-06	3.22E-04	3.85F-03 4.22F-03	2.12E-02 2.27F-02
15			5 4			3661.15	2.7314	0.0303	0.0	0.0 8.08E-05	8.06E-06 1.90E-03	3.63E-04	3.34E-02	6.84E-02
			8 8			3661.17	2.7314	0.0303	0.0			1.126-02	4.036-03	5*50E-05
15			6 4			3661-18	2.7314	0.0303	0.0	0.0	7.44E-06	3.43E-04	4.215-04	3.47E-03
14			_	2 35358		3661.46	2.7312	0.0303	0.0	0.0	0.0	2+00E-05	1.38F-01	2.96E-01
			7 7			3661.55	2.7311	0.0303	0.0	2.45E-04	6.73E-03 8.40E-03	4.35F-02 6.12F-02	2.11F-01	4.77F-01
-			5 6			3661.81	2.7309	0.0303	0.0	2.506-04			6.78E-03	2.59E-02
1				8 24109		3661.89	2.7308	0.0624	0.0	0.0	4.34E-05 3.68E-04	9.48E-04 2.06E-03	5.95E-03	1.19E-02
	•		9 5			3662.31	2.7305	0.0303	0.0	1.70E-05		1.295-03	3.04E-03	5.26E-03
			5 7			3662.83	2.7301	0.0303	0.0	2.38E-05	3.12E-04		4.71E-03	8.40E-03
			9 7			3662.84	2.7301	0.0303	0.0	2,99E-05	4.358-04	1.92E-03 5.67E-02	1.86E-01	4.09E-01
				2, 16009		3662.89	2.7301	0.0303	0.0	2.78F-04 2.44E-05	8.33E-03 4.53E-04	2.32E-03	6.29E-03	1.20E-02
	-		56 5			3663.02	2.7300	0.0303		Z•44E-05	4.50m=04 0.0	4.78E-06	1.30E-04	1.295-03
1				7 38022		3663.38	2.7297	0.0303	0.0			3.02E-02	1.31E-01	3.50E-01
10				7 18902		3663.44	2.7297	0.0308	0.0	4.88E-05	2.926-03		1.75E-01	4.45E-01
				5 10148		3663.64	2.7295	0.0303	0.0	9.375-05	4.69E-03	4.345-02	4.08E-02	1.25E-01
1:				8 20845		3663.69	2.7295	0.0568	0.0	5.996-06	5.72E-04	7.818-03		
, ,	3 1	1	5	6 22203 <i>i</i>	07 1	3663.81	2.7294	0.0617	0.0	0.0	9.026-05	1.50E-03	8.925-03	2.99F-02

;								CA	KBUN MUNUXI	DE					
	VU	VĽ	```Jû	JĹ	LOWER	CODE	WAVE	WAVE	HALF	*****	** INTEGRATI			EFFICIENT *	****
		-			STATE ENERGY		CM-1	LENGTH	WIDTH H2	T = 1000	T = 1500	T = 2000	Y = 25^0	000F = T	·T = 3500
							VI .	141.000	116				25 %		1 = 5500
	11	9	27	28	19770.91	1	3664.11	2.7292	0.0379	0.0	2.05E-05	1.52F-03	1.77E-02	8.36F-02	2.37E-01
*	14	12	82	81	35091.32	1	3664.32	2.7290	0.0303	0.0	0.0	0.0	2.29E-05	4.71F-04	3.81E-03
	8	6	41	42	15321.80	2	3664.49	2.7289	0.0303	0.0	1.06E-05	2.70F-04	1 • 66E-03	5.10F-03	1.07F-02
	14	12	10	9	24140.20	i -	3664.62	2.7288	0.0624	0.0	0.0	4.74E-05	1.04F-03	7.46F-03	2.85F-02
	7	5_	58	59	16871.22	1	3665.80	2.7279	0.0303	0.0	2.24E-04	8.25E-03	6.36E-02	2.27E-01	5+28F-01
	8	6	5 t	52	17426.27	1	3666.42	2.7275	0.0303	0.0	1.62F-04	6.80E-03	5.68F-02	2.14F-01	5.17E-01
-		1	82	83	15125.61		3666.90	2.7271	0.0303	0.0	2.09E-04	5.07E-03	3.04F-02	9 • 1 8F - 02	1.898-01
	14	12	81	80	34826.92		3667.10	2.7269	0.0303	0.0	0.0	0.0	2.63E-05	5.25E-04	4.18E-03
	14	12	11	10	24174.43	., -,,	3667.27	2.7268	0.0625	0.0	0.0	5-12E-05	1.135-03	B-11E-03	3.11E-02
	13	11	97	96	37709.03	-	3667.44	2.7267	0.0303	0.0	0.0	0.0	5.63E-06	1.485-04	1 • 4 4 5 - 0 3
	13 :		4	5	22182-32		3667.62	2.7266	0.0614	0.0	0.0	7.66E-05	1.27E-03	7.54E-03	2.52F-02
	_	3	62	63 17	13333.88		3667.99	2.7263	0.0303	0.0	3.386-05	5.32E-04	2.46E-03	6.25F-03	1.14E-02
***************************************	12	-10 5	16 48	49	14496.84		3668•35 3668•86	2.7260	0.0585	0.0	6.03E-06 1.97E-05	5.68F-04 4.1CE-04	7.69E-03	3.99E-02 6.36E-03	1.215-01
	ź	0	80	81	11959.70		3669.07	2.7255	0.0303	0.0	1.46E-05	1.65F-Q4	6.27E-04	1.49F-03	2.32F-03
	15	<u>ĕ</u> -	. 35	36	18771.94		3669.42	2.7252	0.0312	0.0	5.40E-05	3.14E-03	3.18F-02	1.36F-01	3.61F-01
	11	9	26	27	19672.59		3669.47	2.7252	0.0398	0.0	2.19F-05	1.58E-03	1.82E-02	8.508-02	2.39~-01
		<del>-</del>	64	65	16248.61		3669.74	2.7250	0.0303	0.0	3.10F-04	9.84F-03	6 93E-02	2.33E-01	5.20F-01
	14	12	80	79	34565.47	1	3669.79	2.7250	0.0303	0.0	0.0	0.0	3.00E-05	5.85F-04	4.57F-03
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	14	12	12	11	24212.08	1	3669.85	2.7249	0.0617	0.0	0.0	5.465-05	1.216-03	8.74E-03	3.36E-02
27	6	4	55	56	13833.44	2	3670.01	2.7248	0.0303	0.0	2.91E-05	5-16F-04	2.565-03	6.83F-03	1.29E-02
	· •	7	43	44	17989.20	i	3670.16	2.7247	0.0303	0.0	1.07E-04	5.16E-03	4.67E-02	1.86F-01	4.67F-01
	4_	2	76	77	15374.38	1	3670.26	2.7246	0.0303	0.0	3.17E-04	8.17F-03	5.08E-02	1.57E-21	3.30E-01
	8	6	40	41	15177.32		3670.53	2.7244	0.0303	0.0	1.20F-05	2.93E-04	1.77E-03	5.36F-03	1.11F-02
	2	0	87	88	14679-17	2 4 14 15 Table 11 11 11 11 11 11 11 11 11 11 11 11 11	3670.59	2.7244	0.0303	0.0	1.09F-04	2.38F-03	1.34E-02	3.88F_02	7.76F-02
	4	2	83	69	12755.13		3670.64	2.7243	0.0303	0.0	3.746-05	5 • 1 3F-04	2.18E-03	5.24F-03	9-18E-03
		<u>1</u> .	_74_	<u>75</u> -	12296.62		3670.99	2.7241	0.0303	0.0	3.05E-05	3.74E-04	1.49E-03	3.43F-03_	5.815-03
	5	3	70	71	15749.16		3671.22	2.7239	0.0303	0.0	3.53E-04	9,935-03	6.51E-02	2.09F-01	4.50F-01
	13	11	3	95	22165.02		3671.35	2.7238	0.0611	0.0	0.0	6.23E-05	1.03E-03	6-11F-03	2.04F-02
		12	96 13	12	37398.61 24253.14	1	3671.43	2.7237	0.0303	0.0	0.0	0.0	6.625-06	1 • 6°E-04	1.61F-03
	14	12	79	78	34306.98	<del></del>	3672.35 3672.41	2.7231	0.0610 0.0303	0.0	0.0	5.77E-05	1.29F-03 3.42E-05	9 <u>.33</u> F_93 _ 6.51F-94	3.60F-02 5.00F-03
,	12	10	15	16	20723.88	_	3672.94	2.7226	0.0303	0.0	6.04E-06	5.60E-04	7.51F-03	3.89E-02	1.18F-01
2	<del>1</del> -	- <u>-</u>	57	58	16659.74		3673.27	2.7224	0.0303	0.0	2.71F-04	9.49F-03	7.09E-02	2.48F-01	5.69F-01
	8	6	50	51	17240.70		3673.42	2.7223	0.0303	0.0	1.90E-04	7.65E-03	6 - 22E-02	2.30E-01	5.49E-01
11	11	9	25	26	19577.75		3674.76	2.7213	0.0418	0.0	2.32F-05	1.63F-03	1.86E-02	8.61F-02	2.41E-01
_	14	12	14	13	24297.62	1	3674.79	2.7212	0.0604	0.0	0.0	6.05F-05	1.366-03	9.89F-03	3.82E-02
0	14	12	78	77	34051.46	1	3674.94	2.7211	0.0303	0.0	0.0	0.0	3.89F-05	7.225-04	5-45F-03
	13	11	2	3	22151.18	1	3675.02	2.7211	0.0609	0.0	0.0	4.74F-05	7.81E-04	4.63F-03	1.55F-02
<b>,</b>	10	8	34	35	18644.73		3675.33	2.7208	0.0317	0.0	5.95E-05	3.356-03	3.33F-02	1.41F-01	3.71F-01
·	13	11	55	94	37090.97		3675.33	2.7208	0.0303	0.0	0.0	0.0	7.77E-06	1.93F-04	1-79F-03
•	7	5	47	48	14327.37	2	3675.35	2.7208	0.0303	0.0	2.28E-05	4.55E-04	2.43F-03	6.79E-03	1.33F-02
7	5		61	62	13114-11	2	3675.36	2.7208	0.0303	0.0	4.12E-05	6.15E-04	2.75E-93	6.85F-03	1.23F-02
	3	1	81	82	14823.48		3675.94	2.7204	0.0303	0.0	2.77F-04	6.24E-03	3.58F-72	1.756-01	2 • 1 3E-01
o————	8	- 6	25 25		15036-20		3676.52	2.7200	0.0303	0.0	1 - 34E-05	3.18E-04	1.88F-73	_5.62E-03	1.155-02
	9	7	42	43	17832.88		3676.63	2.7199	0.0303	0.0	1.22F-04	5.67E-03	5.02E-02	1.975-01	4+88F-01
s	- 6	4	- 54	55 14	13638.86		3676.94	2.7197	0.0303	0.0	3.46E-75	5.85E-04	2 - 83E-03	7.40F-03	1.38E-02
	14 14	12 12	15 77	14 76	24345.52 33798.93		3677.15 3677.39	2.7195	0.0597	0.0	0.0	6.29E-05	1 • 42F-03	1.04F-02	4.04E-02
4 <del></del>	12	10	14	15	20668.05		3677.47	2.7193 2.7193	0.0303	0.0	0.0	0.0 5.49E-04	4.42F-05	8.015-04 3.76F-02	5.94E-03
	2	.0	79	80	11673.92		3677.54	2.7193	0.0397	0.0	6.00F-06 1.90F-05	2.01F-04	7.31E-03 7.32E-04	1.59F-03	1-13E-01 2-58F-03
			63	64	16014.55		3677.61	2.7192	0.0303	0.0	3.83E-04	1.15F-02	7.835-02	2.58F-01	5.65F-01
	12		107		39279.59		3678.10	2.7188	0.0303	0.0.	0.0	0.0	2.27E-06	6.95E-05	7.505-04
			<u></u>	~~~											

CARBON MONOXIDE

νυ	VL	Jυ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	" ™HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		EFFICIENT · *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	Y = 2000	T = 2500	T = 3000	T = 350
4	2	67	68	12513.40		3678.37	2.7186	0.0303	0.0	4.66E-05	6.03E-04	2.48E-03	5.82E-03	1.00E-0
13		1	2	22140.79		3678.62	2.7184	0.0606	0.0	0.0	3.20E-05	5.26F-04	3.12E-03	1.04E-0
	2	75	76	15094.96		3678.92	2.7182	E0E0.0	0.0	4-11E-04	9.89E-03	5.90E-02	1 -78E-01	3.66E-0
3	. 1	73	74	12032.87		3679.09	2.7181	0.0303	0.0	3.88E-05	4.47E-04	1.71E-03	3.85E-03	6.41E-0
	11	54	93	36786.14		3679.15	2.7180	0.0303	0.0	0.0	0.0	9.10E-06	2.20E-04	2.00E-0
14		16	15	24396.82		3679.44	2.7178	0.0591	. 0.0	0.0	6.50E-05	1 • 48E-03	1.09E-02	4 - 24F-0
5		69	70	15492.44		3679.48	2.7178	0.0303	0.0	4.46E-04	1.18E-02	7.46E-02	2.34E-01	4.9.5E-0
14		76	75	33549.38		3679.77	2.7176	E0E0.0	0.0	0.0	0.0	5.01E-05	8.86F-04	6.46E-0
11	9	<u>24</u>	87	14357.63		3679.95	2.7174	0.0303	0.0	1-48E-04	2.98E-03	1.60E-02	4.49E-02	8.79E-0
			25	19486.39		3679.99	2.7174	0.0437	0.0	2.44E-05	1.69E-03	1.89E~02	8+69E-02	2.42E-0
<u>a</u> 7		49	50	17058-57		3680.36	2.7171	0.0303	0.0	2.23E-04	8.59E-03	6.80E-02	2.47E-01	5.83E-0
	5	56	57	16451.68		3680.68	2.7169	0.0303	0.0	3.26E-04	1.09E-02	7.89E-02	2.71E-01	6.12E-0
10	8	33	_34_	18521.00		3681-19	2.7165	0.0321	0.0	6.53E-05	3.57E-03	3.49E-02	1.446E-01	3.81F-0
14	12	17	16	24451.53		3681.66	2.7162	0.0585	0.0	0.0	6.67E-05	1.535-03	1 • 1 3E-02	4.43F-0
7		46	47	14161.26		3681.78	2.7161	0.0303	0.0	2.63E-05	5.05E-04	2.63E-03	7.23E-03	1.40E-0
12		13	14	20615.70		3681.92	2.7160	0.0604	0.0	5.91E-06	5.35E-04	7.06E-03	3.61F02	1.09F-0
14	12	75	74	33302.84		3682.06	2.7159	0.0303	0.0	0.0	0.0	5 • 66E-05	9.79E-04	7.02E-0
			1	22133.87		3682.15	2.7158	0.0603	0.0	0.0	1.61E-05	2 • 65E-04	1.57E-03	5.23F-0
<u>8</u>	6_	38	39	14898.44		3682.44	2.7156	0.0303	0.0	1.50E-05	3.43E-04	1.99E-03	5.87E-03	1.196-0
		60	61	12897.64		3682.67	2.7154	0.0303	0.0	5.00E-05	7.08E-04	3.08E-03	7.50E-03	1 • 33F-0
		93	92	36484-12		3682.88	2.7153	0.0303	0.0	0.0	0.0	1.06E-05	2.50E-04	2.23E-0
12			105	38938.42		3682.89	2.7153	0.0303	0.0	0.0	0+0	2.72E-06	8+06F-05	8.51F-0
9 14	12	18	42	17680.03		3683.03	2.7152	0.0303	0.0	1.39E-04	6.20F-03	5.37E-02	2.08E-01	5.10F-0
6	4	53	17 54	24509.65		3683.81	2.7146	0.0568	0.0	0.0	6.815-05	1.58E-03	1.17E-02	4.60E-0
14	12	74	73	13447.62		3683.82	2.7146	0.0303	0.0	4.09E-05	6.62E-04	3 11E - 03	8.07E-03	1 • 47F-0
3	1	80	81	33059.32		3684.27	2.7142	0.0303	0.0	0.0	0.0	6.39F-05	1.08E-03	7.61F-0
11	9	23	24	14524.67		3684.92	2.7138	0.0303	0.0	3.65E-04	7.67E-03	4.22E-02	1 • 20E -01	2.38E-0
6	4	62	63	19398.52		3685.15	2.7136	0.0457	0.0	2.56E-05	1.73E-03	1.92E-02	8.75E-02	2.42F-0
14	12	19	18	24571.17		3685.42	2.7134	0.0303	0.0	4.725-04	1.34E~02	8.83E-02	2.84E-01	6.14F-0
2	0	78	79			3685.89	2.7130	0.0552	0.0	0.0	6.91E-05	1.61E-03	1.21E-02	4.76F-0
	— <u>~</u>	-66	67	11391.37		3685.95	2.7130	0.0303	0.0	2.47E-05	2.44E-04	8.54E-04	1.80E-03	2.87F-0
12		12	13	12274.96 20566.83		3686.06	2.7129	0.0303	0.0	5.79E-05	7.07E-04	2.81F-03	6.45F-03	1.09E-0
14	12	73	72	32818.82		3686.31	2.7127	0.0610	0.0	5.78E-06	5.16E-04	6.77E-03	3.45E-02	1.03F-0
13	11	92	91	36184.92		3686.40	2.7127	0.0303	0.0	0.0	0.0	7+20E-05	1.19E-03	8.24F-0
10	8	32	33	18400.75		3686.53	2.7126	0.0303	0.0	0.0	0.0	1.24E-05	2.83E-04	2.47F-0
3	1	72	73	11772.40	1 2	3686.97 3687.14	2.7123	0.0326	0.0	7 • 1 3E~05	3.79E-03	3.64E-02	1.51E-01	3.90E-0
8	<del></del>	48	49	16879.89		3687.24	2.7121	0.0303	0.0	4.93E-05	5.34E-04	1.97E-03	4.31E-03	7.07E-0
4	2	74	75	14818.89		3687.51	2.7121 2.7119	0.0303	0.0	2.60E-04	9.61E-03	7.42E-02	2.65E-01	6.18E-0
12			104	38599.92		3687.60	2.7118	0.0303	0.0	5-30E-04	1-19F-02	6.85E-02	2+01E-01	4 • 06E - 0
5	3	68	69	15239.10	1	3687.69	2.7118	0.0303	0.0	0.0	0.0	3.25E-06	9.34E-05	9.63F-0
14	12	20	19	24636.09	1	3687.89	2.7116	0.0303 0.0535	0.0	5.62E-04	1.40E-02	8.54E-02	2.61E-01	5.43F-0
7	5	55	56	16247.05	-	3688.02	2.7115	0.0303	0.0	0.0	6.98E-05	1 - 64E-03	1.24E-02	4.90E-0
<del></del>		45	46	13998.51	2	3688.15	2.7113	0.0303		3.92E-04	1.24E-02	8.76E-02	2 · 95E-01	6.58E-0
. 8	6	37	38	14764.06		3688.30	2.7113	0.0303	0.0	3.02E-05	5.57E-04	2.84F-03	7.68E-03	1.475-0
14	12	72	71	32581.36		3688.45	2.7112	0.0303		1.67E-05_	3.70E-04	2.10E-03	6-13E-03	1.23E-0
13	11	1	0	22130.41	i	3689.01	2.7112	0.0503	0.0	0.0	1.10F-06	8.10E-05	1.31E-03	8.91F-0
2	<del></del>	·· E5	-86	14039.36		3689.26	2.7106	0.0303	0.0	. 2.0	. 1.63E-05	2 • 68E-04	1.59F-03	5.30F-0
9	7	40	41	17530.64	î	3689.36	2.7105	0.0303	0.0	1.995-04	3.72F-03	1.91E-02	5-19E-02	9.95F~0
14	12	21	20	24704.41	1	3689.82	2.7102	0.0515	0.0	1.57E-04 0.0	6.77E-03	5.74E-02	2 • 1 8F-0 1	5 <u>.326-0</u>
5	3	59	60	12684.50	ż	3689.92	2.7101				7.01E-05	1.67#-03	1.26E-02	5.03E-0
13	<u> </u>	91	90 -	35888.57		3690.10	2.7100	0.0303	0.0	6.04E-05	8-14E-04	3.43E-03	8.19F-03	1 • <u>43</u> E-0
11	9	22	23	19314-13				0.0303	0.0	0.0	0.0	1 • 45E-05	3.21F-04	2.74F-0
						3690+25	2.7098	0.0476	0.0	2.68E-05	1.77E-03	1.94E-02	8.77E-02	2.41E-0

	VU	VL	Jú	JL	LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRAT			FFFICTENT *	****
					STATE		NUMBER	LENGTH	WIDTH			CM*G			
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
			~-	70	70746.05		3690.42	2.7097	0.0303	0.0	0.0	1.27E-06	9.09E-05	1.436-93	9.625-03
	14	12	71 52	53	32346.95 13259.72		3690.42	2.7096	0.0303	0.0	4.83E-05	7.47E-04	3.42F-03	8 • 5 3F = 0 3	1.57E-02
	12	10	11	12	20521.44		3690.63	2.7096	0.0617	0.0	5.59E-06	4.955-04	6.45F-03	3.275-02	9.77E-02
	14-	- 12	22	21	24776+12		3691.68	2.7088	0.0496	-0.0	0.0	7.00E-05	1.68E-03	1.28F-02	5.145-02
	12			103	38264-10		3692.23	2.7084	0.0303	0.0	0.0	0.0	3.89E-06	1.08E-04	1.09F-03
	14	12	70		32115.60		3692.31	2.7083	0.0303	0.0	7.2	1.47E-06	1.02E-04	1.57F-03	1.04F-02
	13	11	2	1	22133.87		3692.33	2.7083	0.0606	0.0	0.0	3.28F-05	5.38E-04	3.195-03	1.06E-02
	10	8	31	32	18283.98		3692.69	2.7081	0.0331	0.0	7.76E-05	4.02E-03	3.79E-02	1.55F-01	3.98F-01
	6	4	61				3693.17	2.7077	0.0303	0.0	5.79E-04	1.56E-02	0.935-02	3.13F-01	6+656-01
	14	12	23	22	24851.22		3693.46	2.7075	0.0476	0.0	0.0	6.97F-05	1.69F-03	1.30F-02	5+236-72
	13	11	90	89	35595•07	ī	3693.58	2.7074	0.0303	0.0	0.0	0.0	1.69E-05	3.63E-04	3.04F-03
	4	- <u></u>	65	66	12039.83		3693.68	2.7073	0.0303	0.0	7.17E-05	8.27E-04	3-18E-73	7.138-03	1.19E-02
	3	1	79	80	14229.17		3693.85	2.7072	0.0303	0.0	4.81E-04	9.40E-03	4 • 96E-02	1.385-01	2.67F-01
	<u> </u>	- 6	47	48	16704.66		3694.06	2.7070	0.0303	0.0	3.03E-04	1.07F-02	8.076-02	2.84F-01	6.53E-01
	8	6	36	37	14633.06		3694.10	2.7070	0.0308	0.0	1.85F-05	3.97F-04	2.22F-03	6.38F-03	1.27E-02
	14	12	€9		31887.32		3694.12	2.7070	0.0303	0.0	0.0	1.70F-06	1.14F-04	1.72E-03	1 • 1 2E-02
	2	. 0	77	78	11112.08		3694.31	2.7069	0.0303	0.0	3+20E-05	2.96E-04	9.93E-04	2.04F-03	3.20E-03
	7	5	44	45	13839.13	-2	3694.47	2.7067	0.0303	0.0	3.45F-05	6.14E-04	3.056-03	8.15E-03	1.54F-02
	12	10	10	11	20479.54	1	3694.89	2.7064	0.0625	0.0	5.36F-06	4.69E-04	6.08E-03	3.07F-02	9.16E-02
<u> </u>	3	1	71	72	11515.21	2	3695.14	2.7063	0.0303	0.0	6.24E-05	6.35E-04	2.26E-03	4.83F-03	7.77F-03
329	14	12	24	23	24929.71	1	3695.17	2.7062	0.0457	0.0	0.0	6.90E-05	1 • 70E-03	_ 1.31E-02_	5.31F-02
	<del>- 11</del> -		21	22	19233.23	1	3695.28	2.7062	0.0496	0.0	2.78E-05	1.81E-03	1.966-05	8.77F-02	2.40E-01
•	7	5	54	55	16045.84	1	3695.31	2.7061	0.0303	0.0	4.69E-04	1.42E-02	9.71E-02	3.21F~01	7.05E-01
	13	11	3	2	22140.79	1	3695.58	2.7059	0.0609	0.0	0.0	4.92F-05	8.09E-04	4.79F-03	1.60F-02
	9	7	39	40	17384.73	1	3695.64	2.7059	0.0303	0.0	1.77E-04	7.36E-03	6.11F-02	2-305-01	5.53E-01
	5	3	67	68	14989-13	1	3695.84	2.7057	0.0303	0.0	7.06E-04	1.665-02	9.75E-02	2.91E-01	5.95E-01
	14	12	68		31662.11	1	3695.85	2.7057	0.0303	0.0	0.0	1.96E-06	1.27F-24	1.87E-03_	1.20F-02
	4	2	73	74	14546-17	1	3696.05	2.7056 ,	0.0303	1.07E-06	6.81E-04	1 • 4 4E-02	7.93E-02	2.27E-01	4.50E-01
	12	10	103	102	37930.99	1	3696.77	2.7051	0.0303	0.0	0.0	0.0	4.63E-06	1 • 25F - 04	1 • 23F-03
	14	12	25		25011.59		3696.81	2.7050	0.0437	0.0	0.0	6.81E-05	1.69E-03	1.3SE-0S	5.375-02
	13	11	<b>E9</b>		35304.45		3696.98	2.7049	0.0303	0.0	0.0	0.0	1.96E-05	4.10E-04	3.37E-93
	5	3	58	59	12474.70	_	3697.11	2.7048	0.0303	0.0	7.30F-05	9.35E-04	3.82E-03	8.95F-03	1.54F-02
	6	4	51		13075.18		3697.39	2.7046	0.0303	0.0	5.68F-05	8.41F-04	3.75E-03	9.29F-03	1.67E-02
	14	12	67		31439.99		3697.50	2.7045	0.0303	0.0	0.0	2.256-06	1 41E-04	2.04E-03	4.05E-01
	10	8	30	31	18170.69		3698.35	2.7039	0.0335	0.0	8.41E-05	4.23E-03	3.94E-02	1.59F~01 1.33E-92	5.42E-02
	14	12	26	25	25096+85		3698.37	2.7039	0.0418	0.0	0.0	6.69E-05 4.62E-03	1 • 69E-03 2 • 27E-02	5.995-02	1.125-01
,	2	0	84	85	13724.39		3698.51	2.7038	0.0303	0.0	2.67E-04 0.0	6.545-05	1.08E-03	6.40F-03	2.14E-02
	13	11	4	3	22151418		3698.76	2.7036 2.7034	0.0303	0.0	0.0	2.588-06	1 • 57F = 04	2.225-03	1.38F-02
٠	14	12	- 66		31220.98		3699.07 3699.07	2.7034	0.0624	0.0	5.08E-06	4.41E-04	5+68E-03	2.86E-02	8-49F-02
	12	10	-	10	20441.12			2.7028	0.0312	0.0	2.04E-05	4.25F-04	2.33E-03	6.63F-03	1.31F-02
e	8	-6	35 27		14505.45 25185.49		3699.84 3699.86	2.7028	0.0398	0.0	0.0	6.55F-05	1.67E-03	1.33E-02	5.45F-02
	14	12	20	26 21	19155.82		3700.24	2.7025	0.0545	0.0	2.87E-05	1.835-03	1.96E-02	8.735-02	2.38E-01
7	11			***	35016.70		3700.30	2.7025	0.0303	0.0	0.0	0.0	2.27E-05	4 - 6 3F - 0 4	3.74F-03
_	13	11 12	88 65	87 64	31005.07		3700.56	2.7023	0.0303	0.0	0.0	2.95E-06	1.74E-04	2.41F-03	1.48E-02
o <u> </u>	7	5	- <del>43</del>		13683.11		3700.72	2.7022	0.0303	0.0	3.94E-05	6.74F-04	3 - 28E93	8.625-03	1.61F-02
	á	6	46		16532.89		3700.72	2.7021	0.0303	0.0	3.51E-04	1.19E-02	8.76E-02	3.03E-01	6.89E-01
5	6		- 60		15332.79		3700.86	2.7021	0.0303	0.0	7.07E-04	1.805-02	1.11E-01	3.44F-01	7.20E-01
	12		102		37600-60		3701.23	2.7018	0.0303	0.0	0.0	0.0,	5.52E-06	1.44E-04	1.39F-03
4	4	2	64	65	11808.00		3701.25	2.7018	0.0303	0.0	8.84E-05	9.65E-04	3.58F-03	7.87E-03	1.29E-02
t	14	12	28	27	25277.50		3701.28	2.7018	0.0379	0.0	0.0	6-39E-05	1 • 65F-03	1.325-02	5.47E-02
	9		38		17242-29		3701+85	2.7014	0.0303	0.0	1.98E-04	7.98E-03	6.49E-02	2.41E-01	5.74F-01
	13	11	5		22165.02		3701.87	2.7013	0.0614	0.0	0.0	8-14E-05	1.34F-03	7.99E-03	2.676-02
							<del></del>		<del></del>	·		<del></del>			

···	٧Ł	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR		EFFICIENT *	****
				ENERGY		CM-1	MICRON	HS	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
14			63	30792.28		3701.97	2.7013	0.0303	0.0	0.0	3.36F-06	1 • 92E-04	2.61E-03	1.58F-02
7	5	53	54	15846.09		3702.53	2.7009	0.0303	0.0	5.59E-04	1.61E-02	1.07E-01	3-48F-01	7.54E-01
2	. 0	76	77	10836.05		3702.62	2.7008	0.0303	0.0	4.13F-05	3.57E-04	1.15E-03	2.316-03	3.55E-03
3	12	29 78	28 79	25372.88	1	3702.62	2.7008	0.0359	0.0	0.0	6+20E-05	1.63E-03	1.31E-02	5.47F-02
3	<del></del>	70	71	13937.00	1	3702.71	2.7007	0.0303	1 • 3 3E-0 6	6.30E-04	1.15E-02	5.81E-02	1.578-01	2.98F-01
12	10	8	9	20406.19	2	3703.08	2.7005	0.0303	0.0	7 • 87E-05	7.54E-04	2.59E-03	5.40E-03	8.54E-03
14	12	63	62	30582.61	<del> </del>	3703.19	2.7004	0.0624	0.0	4.75E-06	4.08E-04	5.24E-03	2.63E-02	7.79E-02
13	11	27	86	34731.85	1	3703.30	2.7003	0.0303	0+0	0.0	3.82E-06	2.12E-04	2.82E-03	1.68E-02
14	- <u>i</u> ż	30	29	25471.62		3703.54	2.7001	0.0303	0.0	0.0	0.0	2 • 64E-05	5.23E-04	4+14E-03
5	3	66	67	14742.56	1	3703.89	2.6999	0.0340	0+0	0.0	6.00E-05	1.60F-03	1.30E-02	5.46E-02
10		29	OE	18060.90	1	3703.92	2.6998	0.0303	1.27E-06	8.83E-04	1.96E-02	1 - 11E-01	3.24E-01	6.51E-01
6	4	50	51	12893.99	2	3703.94 3704.09	2.6998	0.0340	0.0	9.07E-05	4.45E-03	4.07E-02	1+63F-01	4 - 1 2E-01
5	3	57	58	12268.22	<del></del>	3704.09	2.6997	0.0303	0.0	6.66F-05	9.43E-04	4-10E-03	9.99F-03	1.775-02
4	2	72	73	14276.81	1	3704.25	2.6996	0.0303	0.0	8.795-05	1.07E-03	4.25E-03	9.76F-03	1.66F-02
14	12	62	61	30376.09	<u>i</u>	3704.56	2 6994	0.0303	1.56F-06	8.72F-04	1.73F-02	9 • 17E-02	2.56E-01	4.98E-01
13	11	6	5	22182.32	1	3704.91	2.6994	0.0303	0.0	0.0	4.34E-06	2.34E-04	3.05E-03	1.79E-02
14	12	31	30	25573.73	<del>- i</del>	3705.09	2.6991	0.0617	0.0	0.0	9.70E-05	1.61E-03	9.56F-03	3.20E-02
11	9	19	20	19081.91	i	3705.14	2.6990	0.0335	0.0	0.0	5.80E-05	1.56E~03	1.29E-02	5-44E-02
	6	34	35	14381.22	2	3705.52		0.0535	0.0	2.95F-05	1.85E-03	1.96E-02	8+56E-02	2.34F-01
8 3 12			100	37272.94	1	3705.60	2.6987	0.0317	0.0	2 • 24E-05	4.54E-04	2.44E-03	6.86E-03	1 - 34E-02
14	12	61	60	30172.71	<del>- i</del>	3705.73	2.6986	0.0303	0.0	0.0	0.0	6.56E-06	1.66E-04	1.56E-03
14	12	32	31	25679.20	ì	3706.21	2.6985	0.0303	0.0	0.0	4.91E-06	2 • 57E-04	3.29E-03	1 - 90E-02
13	11	€6	85	34449.91	1	3706.69	2.6982	0.0331	0.0	0.0	5.58E-05	1.53E-03	1.27E-02	5.416-02
14	12	60	59	29972.48	î	3706.83		.0.0303	0.0	0.0	0.0	3.056-05	5.89E-04	4.57F-03
7	5	42	43	13530.48	2	3706.91	2.6977	0.0303	0.0	0.0	5.54E-06	2.81F-04	3.54E-03	2.02E-02
12	10	7	8	20374.75	ī	3707.24	2.6974	0.0303	0.0	4.47E-05	7.38E-04	3.516-03	9.11E-03	1.68E-02
14	12	33	-3 <u>2</u> -	25788.01	~ i ~	3707.25	2.6974	0.0623		4.37E-06	3.73E-04	4.76E-03	2.38F-02	7.05E-02
8	6	45	46	16364.60	i	3707.50		0.0326	0.0	0.0	5+36E-05	1.49E-03	1.25E-02	5.37F-02
2	<del></del>	- E3	84	13412.71		3707.70	2.6972	0.0303	0.0	4.05E-04	1.32F-02	9.49E-02	3.23E-01	7+26F-01
14	12	59	58	29775.43	î	3707.85	2•6971 2•6970	0.0303	0.0	3.57E-04	5.746-03	2.69E-02	6.90E-0S	1 • 27E-01
13	11	7		22203.07		3707.88	2.6970	0.0303	0.0	0.0	6.25E-06	3.08F-04	3.80E-03	2.14E-02
9	7	37	38	17103.34	i	3707.99	2.6969	0.0620	0.0	0.0	1 - 12E-04	1.86E-03	1.11E-02	3.72E-02
14	12	34	33	25900.18	<del>-i</del>	3708.23	2.6967	0.0303	0.0	2.21E-04	8.63F-03	6 • B8E-02	2.52F-01	5 95E-01
6	4	59	60	15112.37	î	3708.49	2.6965	0.0321 0.0303	0.0	0.0	5.12E-05	1 • 45E-03	1.23E-02	5.32F-02
4	2	63	64	11579.50	<del>-</del>	3708.76	2.6963		1.03E~06	8.61E-04	2.08F-02	1 • 25E-01	3.77E-01	7.77E-01
14	12	58	57	29581.54	ī	3708.79	2.6963	0.0303 0.0303	0.0	1.09E-04	1 - 1 2E - 03	4 • Q4E-03	8.685-93	1 + 40E-02
14	12	35	34	26015.68	1	3709.12	2.6961		0.0	0.0	7.03E-06	3-37E-04	4.08E-03	2.27E-02
10	8	28	29	17954.60	ī	3709.47	2.6958	0.0317 0.0359	0.0	0.0	4.88F-05	1 • 40E-03	1.21E-02	5.25E-02
14	72	57	<del>-36</del>	29390.83	<del>î</del>	3709.65	2.6957	0.0303	0.0	9.76E-05	4.67E-03	4.21E-02	1.67F-01	4 • 18E-01
7	5	52	53.	15653.78	i	3709.69	2.6956	0.0303	0 • 0 0 • 0	0.0	7.89E-06	3+68F-04	4.38E-03	2.40E-02
13	11	85	84	34170.88		3709.77	2,6956	0.0303	0.0	6.63F-04	1.83E-02	1 • 18E-01	3.76E-01	8.06F-01
12		100	99	36948.03	1	3709.89	2 6955	0.0303	0.0	0.0	0.0	3.52E-05	6.62F-04	5.04E-03
14	12	36	35	26134.53	1	3709.94	2 6955	0.0303	0.0	0.0	0.0	7.78E-06	1.91E-04	1.76E-03
11	9	18	19	19011.50	1	3709.97	2.6954	0.0552	0.0	3.01E~05	4 •6 4E-05	1.36E~03	1.18E-02	5-17E-02
14	12	56	55	29203.32	1	3710.43	2.6951	0.0303	0.0	0.0	1 • 86E - 03	1.95E-02	8.55E-02	2.30E-01
14	12	37	36	26256.71	1	3710.69	2 • 6949	0.0308	0.0		8.82E-06	4 • 01E-04	4.68F-03	2.54E-02
6	4	49	50	12716.17	- <u>-</u>	3710.73	2.6949	0.0303	- 0.0	7.77E-05	4.39E-05	1.31E-03	1.15E-02	5.09E-02
E1	11	8	7	22227.29	1	3710.77	2.6949	0.0503	0.0	0.0	1.06E-03	4.47E-03	1.07F-02	1-87E-02
5	0	75	76	10563.28	2	3710.87	2.6948	0.0303	0.0		1.27E-04	2-11E-03	1.26E-02	4.24E-02
		69	70	11010.69	2	3710.96	2.6947	0.0303	0.0	5.31E-05	4.30E-04	1.34E-03	2.61E-03	3.93E-03
3														
- 3	12	<del>- 55</del> -	54	29019-00	<del></del>	3711.14	2 • 6946	0.0303	0.0	9.90E-05 0.0	8.93E-04 9.85E-06	2.96E-03 4.36E-04	6.02E-03	9.36F-03 2.67E-02

								CA	RBON MONOXI	DE					
	VU	VL.	ĴŪ	, JF	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*******	** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
					ENERGY		CM-1	MICRON	HZ	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	12	10	6	7	20346.80	1	3711.22	2.6945	0.0620	0.0	3.94E-06	3.34E-04	4.25E-03	2.12E-02	6.27F-02
	_	3	56	57	12065.10	2	3711.33	2.6945	0.0303	0.0	1.05E-04	1.22E-03	4.72F-03	1.065-02	1.78F-02
	14	12	38 77	37 78	26382.21		3711.36 3711.52	2.6944	0.0303	0.0 1.99E-06	0.0 8.23E-04	4.14E-05	1.26E-03 6.80E-02	1.12F-02 1.78E-01	4-99E-02
	14	12	54	53	28837.89	1	3711.77	2.6943	0.0303	0.0	0.0	1.40E-02 1.10E-05	4.73F-04	5.37F-03	3.33F-01 2.82E-02
		-3	65	66	14499.39	<del>-i</del>	3711.95	2.6940	0.0303	1.77E-06	1.10E-03	2.30F-02	1.26F-01	3.59E-01	7.11E-01
	14	12	39	38	26511.04	1	3711.96	2.6940	0.0303	0.0	0.0	3.90E-05	1.205-03	1 • 08F-02	4.89E-02
	14	12	53	52	28659.99	1	3712.32	2.6937	0.0303	0.0	0.0	1.22E-05	5.12E-04	5.67E-03	2.96E-02
	14	12	40	39	26643.18	1	3712.48	2.6936	0.0303	0.0	0.0	3.66E-05	1 - 15E-03	1.05F-02	4.77E-02
	13	11	84	83	33894.79	_ i	3712.76	2.6934	0.0303	0+0	0.0	0+0	4.06E-05	7.43E-04	5.55F-03
	14	12	52	51	28485.31	1,	3712.79	2.6934	0.0303 ′	0.0	0.0	1.35E-05	5.52E-04	6.02F-03	3.10E-02
	14	12	41	40	26778.63	1'	3712.92	2.6933	0.0303	0.0	0.0	3.42E-05	1.105-03	1.01E-02	4+65F-02
		2	71	72	14010.82		3712.95	2.6933	0.0303	2.27E-06	1.11E-03	2.07E-02	1.06E-01	2.87F-01	5.50F-01
		5	41	42	13381.23	2	3713.05	2.6932	0.0303	0.0	5.06E-05	8.06E-04	3.75E-03	9.50F-03	1.76E-02
	- <del>14</del>	.12	.51 42	. <u>50</u> .	28313.87 26917.39		3713.19 3713.29	2.6931 2.6930	0.0303	0.0	0.0	1.49E-05	5.95E-04	6+38E-03	3.25E-02
	11			110	28976.29	1	3713.45	2.6929	0.0303 0.0303	0.0	0.0	3•19E-05 0•0	1.04E-03 2.39E-06	9.78E-03 7.13F-05	4.53E-02 7.55E-04
	14	<u> 12</u>	50	49	28145.66	i	3713.51	2.6929	0.0303	0.0	0.0	1.64E-05	6.39E-04	6.74E-03	3.40E-02
	14	12	43	42	27059.45	- î	3713.59	2.6928	0.0303	0.0	0.0	2.96E-05	9.90E-04	9.40E-03	4.40F-02
	13	11	79	8	22254.96	1	3713.60	2.6928	0.0624	0.0	1.055-06	1.40E-04	2.35E-03	1.41E-02	4.74F-02
331	14	12	49	48	27980.70	1	3713.75	2.6927	0.0303	0.0	0.0	1.80F-05	6.85E-04	7.11E-03	3.54E-02
	14	12	44	43	27204.80	1	3713.81	2.6927	0.0303	0.0	0.0	2.75E-05	9.37E-04	9.02E-03	4.26F-02
	14	12	48	47	27818.98	1	3713.91	2.6926	0.0303	0.0	0.0	1.975-05	7.33E-04	7.49E-03	3.69E-02
	14	12	45	44	27353.43	1	3713.95	2.6926	0.0303	0 • 0	0.0	2.54E-05	8.84E-04	8.64F-03	4.12E-02
	14	12.	47	46	27660.53	_1	3714.00	2.6925	0.0303	0.0	0.0	2 • 1 5E - 05	7.82F-04	7.87E-03	3.84E-02
	14	12 7	46	45 37	27505.34	1	3714.01	2.6925	0.0303	0.0	0.0	2.34E-05	8.33E-04	8.265-03	3.98F-02
	<u>- 1</u> 2	- <del>10</del>	36 99	98	16967.88 36625.89	<del>-                                    </del>	3714.07 3714.09	2.6925	0.0308	0.0	2.46E-04 0.0	9.29E-03 0.0	7.27E-02 9.21E-06	2.62E-01	6.15E-01 1.97€-03
	8	6	44	45	16199.77	î	3714.12	2.6924	0.0303	0.0	4-66E-04	1.46E-02	1.02E-01	2 • 1 9E - 04 3 • 4 4E - 01	7.64E-01
	<u> </u>	<del></del>	17	18	18944.59	$-\frac{1}{1}$	3714.73	2.6920	0.0568	0.0	3.06E-05	1.85E-03	1.93E-02	8.41E-02	2.25E-01
	10	á	. 27	28	17851.80	ī	3714.93	2.6918	0.0379	0.0	1.05E-04	4.88E→03	4.33E-02	1.708-01	4.245-01
	12	10	5	6	20322.34	1	3715.13	2.6917	0.0617	0.0	3.47E-06	2.93E-04	3.71E-03	1.85E-02	5.45E-02
	13	11	E3	82	33621.65	1	3715.66	2.6913	0.0303	0.0	0.0	0.0	4.67E-05	8.33E-04	6+11E-03
	6	4	58	59	14895.39	i	3716.05	2.6910	0.0303	1.40E-06	1.05E-03	2.41E-02	1.40E-01	4.13E-01	8.40E-01
	4	2	62	63	11354.33	2	3716.22	2 • 6909	0.0303	0.0	1.33F-04	1.30E-03	4.54E-03	9.55E-03	1.52E-02
	13	11	10	9	22286.09	1	3716.36	8.6908	0.0624	0.0	1.13E-06	1.53E-04	2.58F-03	1.55E-02	5•235-02
	8	6_	32	33	14142.96	<u> 2</u>	3716.70	2.6906	0.0326	0.0	2.67E-05	5.1 IE-04	2.66E-03	7.31E-03	1.41E-02
	7	5	51 82	52 83	15462.93 13104.36	1	3716.79 3716.83	2.6905 2.6905	0.0303	0.0 1.49F-06	7.85E-04	2.06E-02	1.30E-01	4.06F-01	8.59E-01
		<u></u>	<u>\$ =</u>	49	12541.73	<del>1</del>	3717.31	2.6901	0.0303	0.0	4.75F-04 9.04E-05	7.10E-03 1.18E-03	3.19E-02 4.86E-03	7.94E-02 1.15E-02	1.43E-01 1.98E-02
	12	10	98	97	36306.52	1	3718.21	2.6895	0.0303	0.0	0.0	0.0	1.09E-05	2.51E-04	2.21E-03 '
	5	3	55	56	11865.33	2	3718.35	2+6894	0.0303	0.0	1.26E-04	1.39E-03	5.23E-03	1.15E-02	1.90E-02
•	13	11	82	81	33351.46	ī	3718.49	2.6893	0.0303	0.0	0.0	0.0	5.36E-05	9.32E-04	6.71E-03
	11	9	110	109	38620.75	1	3718.56	2.6892	0.0303	0.0	0.0	0.0	2.90E-06	8.34E-05	8-61E-04
	3	1	68	69	10763.38	2	3718.79	2 • 6 8 9 0	0.0303	1.20E-06	1 - 24E-04	1.05E-03	3.37E-03	6.70E-03	1 • 03E-02
	12	10	4	5	20301.37	1	3718+97	2.6889	0.0614	0.0	2.96E-06	2.49E-04	3.14E-03	1.56E-02	4.60E-02
	13	11		10	22320.67	1	3719.04	2.6889	0.0625	0.0	1-21E-06	1.65E-04	2.79E-03	1.69E-02	5.70E-02
	2	0	74	75	10293.79	2	3719.06	2.6889	0.0303	0.0	6.80E-05	5.17E-04	1.54E-03	2.94E-03	4.35E-03
	7	5	40	41	13235.37	<u> 2</u>	3719.12	2.6888	0.0303	0.0	5.70E-05	8.77E-04	4 - 00E-03	1.01E-02	1.83E-02
	11 5	3	16	17 65	18881-18	1	3719.42	2.6886	0.0585	0.0	3.08E-05	1.84E-03	1.90F-02	8+22E-02	2.20E-01
	9	7	35	36	14259-63	-1	3719.92	2 • 6882	0.0303	2 • 47E-06	1.37E-03 2.73E-04	2.705-02	1.43E-01	3.98E-01	7 • 75E - 01
	3	í	76	30 77	13362.69	1.	3720.09	2.6880	0.0312	2.98E-06	1.07E-03	9.98E-03 1.70E-02	7.66E-02 7.94E-02	2.73E-01	6.34E-01
				• •	. 3302409		3154951	20000	0.0303	6.705-00	1.07E-03	10105-05	7.5 745-02	2.03E-01	3.71F→01

	VU	VL.	JU	J۱	LOWER STATE	CODE	WAVE NUMBER	WAVE	HALF	*****	** INTEGRAT	ED ** ABSORI CM*G		FFICIENT *	******
					ENERGY		CM-1	MICRON	на	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	10	8	26	27	17752.52		3720.33	2.6879	0.0398	0.0	1.11E~04	5.08F-03	4.45E-02	1 • 73E-01	4.28E-01
	8	6	43	44	16038.43	1	3720.69	2.6877	0.0303	0.0	5.34E-04	1.61E-02	1.10E-01	3.65F-01	8.01E-01
	13	11	£1	60	33084.24	1	3721.23	2.6873	0.0303	0.0	0.0	0.0	6 • 15E-05	1.04E-03	7.36E-03
	4	2	70	71	13748-23	1	3721.31	2.6872	0.0303	3.27E-06	1.42E-03	2.47E-02	1.22E-01	3.22E-01	6.06E-01
	13	11	12	11	22358.71		3721.66	2.6870	0.0617	0.0	1.28F~06	1.76E-04	3.00E-03	1.82E-02	6.15E-0:
	8	6	31	32	14028.93		3722.20	2.6866	0.0331	0.0	2.90F-05	5.40F-04	2.76E-03	7.52E-03	1 • 44E+0
	12	10	97	96	35989.95		3722.24	2.6866	0.0303	0.0	0.0	0.0	1.29E-05	2.88F-04	2.48F-0
	12 6	10	3	4	20283.89	1	3722.75	2.6862	0.0611	0.0	2.42E-06	2.02E-04	2.55E-03	1.27E-02	3.72F-0
	11		57 109	58	14681.85	1	3723.56	2.6856	0.0303	1.87E-06	1.27E-03	2.77E-02	1.56E~01	4.52E-01	9.06F-0
	4	2			38267.86	1	3723.58	2.6856	0.0303	0.0	0.0	0.0	3.50F-06	9.74E-75	9.82F-0
		-5	_61 50	62	11132.49	_2	3723.62	2 • 6856	0.0303	1.32E-06	1.62E-04	1.51E-03	5.09E-03	1.05F-02	1.64F-0
				51	15275.54	1	3723.83	2.6854	0.0303	1.03E-06	9.25E-04	2.33E-02	1 -43E-01	4.38F-01	9.14F-0
	13	11	80	48 79	12370.66	_ 2	3723.83	2.6854	0.0303	0.0	1.05E-04	1.31E-03	5.28F-03	1.22E-02	2.09F-0
	11	311	15	16	32820.01	1	3723.90	2.6854	0.0303	0.0	0.0	0.0	7.03E-05	1.16E-03	8.06F-0
	13	11	13	12	18821.29	<del></del>	3724.05	2.6852	0.0591	0.0	3.09E-05	1.82E-03	1 • 86E-02	8+00E-02	2 • 13F-0
	7	5	39	40		1	3724.20	2.6851	0.0610	0.0	1.34E-06	1.87E-04	3-19E-03	1.94E-02	6.59F-0
	<del> ;</del>	-3	54	55	13092.91		3725.14	2.6845	0.0303	0.0	6.40E-05	9+52E-04	4.26E-03	1.06E-02	1+90F-0
	10	8	25	26	17656.73		3725.32	2.6843	0.0303	0.0	1.50E-04	1.58E-03	5.77E-03	1.25F-02	2.04F-0
`	2	0	81	82	12799.33	_ <u>1</u>	3725.66	2+6841	0.0418	0.0	1.18E-04	5.26E-03	4.55E-02	1.75F-01	4.31E-0
}	9	7	34	35	16707.46	1	3725.91	2.6839	0.0303	5.30E-06	6.31E-04	8.77F-03	3.77E-02	9-11E-02	1.61F-0
<del>'</del> —	12	10	96	95	35676.18	1	3726.04	2.6838	0.0317	0.0	3.01E-04	1.07E-02	8 • 05E-02	2.83F-01	6.52E-0
	12	10	2	3	20269.91		3726.19	2.6837	0.0303	0.0	0.0	0.0	1 • 51 E - 05	3.29F-04	2.78E-0
	13	11	79	78	32558.77	-1	3726.45	2.6835	0.0609	0.0	1.85E-06	1.54E-04	1.94E-03	9.60F-03	2.82E-0:
	3	1	67	68	10519.39	1	3726.48	2+6835	0.0303	0.0	0.0	1.098-06	8 • 03F-05	1.2°E-03	8.825-0
	13	<del>-11</del>	14	13	22445.13	<u></u>	3726.56	2.6834	0.0303	1.69E-06	1.55E-04	1.24E-03	3.84E-93	7.45F-03	1-12F-0:
	8	6	42	43	15880.58	•	3726.67	2 • 6834	0.0604	0.0	1.39E-06	1.95E-04	3.36E-03	2.05F-02	7.00E-0
	2	<del></del>	73	74	10027.60		3727 • 19 3727 • 20	2.6830	0.0303	0.0	6.09E-04	1.77E-02	1.19E-01	3 86E-01	8.39F-0
	8	6	30	31	13918.32	2	3727.64	2.6830	0.0303	1.205-06	8.69E~05	6 • 20E-04	1.78E~03	3.30F-03	4.80E-0
	5		63	64	14023.30		3727.82	2.6827	0.0335	0.0	3.14E-05	5.69E-04	2.86E-03	7.71E-03	1.46F-0:
	11			107	37917.62	•	3728.51	2.6825	0.0303	3.43E-06	1.70E-03	3-16E-02	1.62E-01	4 + 4 OF - 9 1	R.44E-0
	<u>ii-</u>	~~ <del>`</del>	14	15	18764.90	- i	3728.61	2.6820	0.0303	0.0	0.0	0.0	4.21E-06	1.13E-04	1 • 1 2E = 0
	3	í	75	76	13080.58	;		2.6820	0.0597	0.0	3.07E-05	1.78E-03	1.815-05	7.75E-02	2.05E-0
	13	11	78	77	32300.53	<del>-i</del>	3728.97 3728.98	2.6817	0.0303	4.42E-06	1.39F-03	2.07E-02	9.24E-02	2.30F-01	4.13F-0
	13	11	15	14	22493.51	1	3729.07	2.6816	0.0303	0.0	0.0	1.55E-06	9.15E-05	1.44F-03	9.636-0
	4	2	69	70	13489.02	i	3729.61	2.6812	0.0597	0.0	1.43E-06	2.03E-04	3.52F-03	2.16E-02	7.39F-0:
	12	10	95	94	35365.23	i	3730.06	2.6809		4.69E-06	1.805-03	2.94F-02	1.40E-01	3.61F-01	6 • 67E-0
	12	10	1	2	20259.43	<u></u>	3730.09	2.6809	0.0303	0.0	0.0	0.0	1 • 78E - 05	3.75E-04	3.10F-0
	6	4	46	47	12202.98	2	3730.30	2.6807	0.0303		1.25E-06	1.04E-04	1.31E-03	6.46F-03	1.90F-0
	7	5	49	50	15091.63	<u> </u>	3730.81	2.6804	0.0303	0.0 1.32E-06	1.21E-04	1.45E-03	5.72E-03	1.31E-02	5.50E-0
	10	8	24	25	17564.47	ī	3730.92	2.6803	0.0437	0.0	1.095-03	2.626-05	1.56E-01	4.71F-01	9+71F-0
	4	2	60	61	10914.00	_ <del></del> _	3730.96	2.6803	0.0303	1.78E-06	1.255-04	5.44F-03	4.64E-02	1.77E-01	4.33F-0
	6	4	56	57	14471.76	1	3731.00	2.6802	0.0303	2.50#-06	1.97E-04 1.53E-03	1.74E-03	5-69F-03	1.156-02	1.78F-0:
	7	5	38	39	12953.84	<u> </u>	3731.09	2.6802	0.0303	0.0	7.16E-05	3.18E-02 1.03E-03	1.74E=01	4.94F-01	9.75E-01
	13	11	16	15	22545.34	1	3731.39	2.6800	0.0591	0.0	1.46E-06	2.10E-03	4.51E-03	1.115-02	1.976-0
	13	11	77	76	32045.30	1	3731.40	2.6800	0.0303	0.0	0.0	1.52F-06	3.67E-03	2.26F-02	7.76F-0:
	9	. 7	33	34	16582.50	1	3731.93	2.6796	0.0321	0.0	3.31E-04	1.14E-02	1 • 04E-04	1.60E-03	1.05F-0:
	5	3	53	54	11475.88	2	3732.22	2.6794	0.0303	1.23E-06	1.78F-04	1.80E-03	8.43E-02	2.93F-01	6 • 70F = 0
	8	6	29	30	13811.11	2	3733.02	2.6788	0.0340	0.0	3.38E-05	5.97E-04	6.36E-03	1.358-02	2.18E-0
	11	9	· 13	14	18712.02	1	3733.10	2.6787	0.0604	0.0	3.03E-05	1.74E-03	2.96F-03	.7.88E-03	1.49E-02
	_11			106	37570.06	1	3733.36	2.6786	0.0303	0.0	0.0	0.0	1.75E-02	7.45E-02	1 • 97E-0
		6	41	42	15726.23	1	3733.62	2.6784	0.0303	0.0			5.07E-06 1.27E-01	1 • 32E-04	1.27F-03
	8		-7 &		10160060						6.93E-04	1.945-02		4 • 08F-01	8.775-01

							HOLECULA	R LINE PAR	AMETERS FOR	DIATOMIC MC	XLECULES		-		
•			_						RBON MONOX I						
1															
	VU	٧L	JŲ	JL	LOWER	CODE	WAVE	WAVE	HALF .	******	* INTEGRATE			EFFICIENT *	*****
		•		-	STATE		NUMBER	LENGTH	. WIDTH			CM*GI			
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
											-				
	13	11	17	16	22600.61	1	3733.65	2.6783	0.0585	0.0	1.48E-06	2.15E-04	3.79E-03	2.35E-02	8.10E-02
	13	11	76	75	31793.11	1	3733.74	2.6783	0.0303	0.0	0.0	1.79E-06	1.18E-04	1.77E-03	1-14E-02
	12	10	94	ý3	35057.12	1	3733.85	2 6782	0.0303	0.0	0.0	0.0	2.09E-05	4.28E-04	3-46F-03
	3	1	66	67	10278-73	2	3734.28	2.6779	0.0303	2.36E-06	1.935-04	1.46E-03	4.35E-03	8.26E-03	1.22E-02
	2	0	80	81	12497.64	1	3734.93	2.6774	0.0303	3.51E-06	8.35E-04	1.08E-02	4.44E-02	1.04F-01	1.80E-01
	2	0	72	73	9764.71	2	3735.28	2.6772	0.0303	1.73F-06	1-11E-04	7.41E-04	S•0èE-03	3.71E-03	5.30E-03
	5	3	62	63	13790.39	1	3735.67	2.6769	0.0303	4.73E-06	2.09E-03	3.69E-03	1.83E-01	4.86E-01	9-17E-01
	13	11	18	17	22659.31	1	3735.83	2.6768	0.0568	0.0	1.49E-06	2+20E-04	3.90E-03	2.43E-02	8.42E-02
	13	11	75	74	31543.96	ì	3736.00	2.6767	0.0303	0.0	0.0	2.10E-06	1.34E-04	1.95E-03	1.24E-02
	10	8	23	24	17475.72	1	3736.12	2.6766	0.0457	0.0	1.31E-04	5.59E-03	4.71E-02	1.78F-01	4.33E~01
	6	4	45	46	12038.69	2	3736.70	2.6762	0.0303	0.0	1.39E-04	1.61E-03	6.18E-03	1.39E-02	2.32E-02
	7	5	37	38	12818.19	2	3736.99	2.6760	0.0303	0.0	7.97E-05	1.11E-03	4.77E-03	1.16E-02	2.04F-02
	11	9	12	ìЗ	18662.66	-	3737.53	2.6756	0.0610	0.0	2.96E-05	1.68E-03	1.68E-02	7.12E-02	1.87E-01
	12		93	92	34751.86	1	3737.55	2.6755	0.0303	0.0	0.0	0.0	2.45E-05	4.87E-04	3.86E-03
	3	1	74	7 <u>5</u>	12801.85	1	3737.60	2.6755	0.0303	6.535-06	1.80F-03	2.50E-02	1 - 07E-01	2.60E-01	4.58E-01
	7		48	49	14911.20	1	3737.72	2.6754	0.0303	1.68E-06	1.27E-03	2.93E-02	1.71E-01	5.06E-01	1.03E .00
	9	7	32	33	16461.06	ī	3737.75	2.6754	0.0326	0.0	3.62E-04	1.21E-02	8.81E-02	3.03E-01	6-86F-01
	<del></del>		68	69	13233.23	1	3737.86	2.6753	0.0303	6.70E-06	2.27E-03	3.50E-02	1.60E-01	4.04E-01	7.33E-01
	13	11	19	18	22721.46	i	3737.94	2.6753	0.0552	0.0	1.49E-06	2.23E-04	3.99E-03	2.50E-02	8.70E-02
	~îĭ			105	37225.20	1	3738.12	2.6751	0.0303	0.0	0.0	0.0	6.09E-06	1.54E-04	1.44E-03
333	13	11	74	73	31297.86	î	3738.18	2.6751	0.0303	0.0	0.0	2.46E-06	1.51E-04	2-16E-03	1.356-02
	<del>13</del>		- 59	60	10698.87	2	3738.25	2.6750	0.0303	2.398-06	2.39E-04	2.01E-03	6+35E-03	1.26E-02	1.91E-02
	8	6	28	29	13707.32	2	3738+33	2.6750	0.0359	0.0	3.62E-05	6.25E-04	3.05E-03	8.05E-03	1.51E-02
	6	<del>-</del> 4	55	56	14265.13		3738.39	2.6749	0.0303	3.32E-06	1.84E-03	3.64E-02	1.93E-01	5.395-01	1.05E 00
	5	3	52	53,	11286.22	2	3739.07	2.6745	0.0303	1.59E-06	2.10F-04	2.03E-03	7.00E-03	1.46E-02	2.32E-02
	13		20	19	22787.05	<u> </u>	3739.98	2.6738	0.0535	0.0	1.48E-06	2.25E-04	4.07E-03	2.57E-02	8.96F-02
	8	6	40	41	15575.37	i	3740.00	2.6738	0.0303	0.0	7.84E-04	2.12E-02	1.36E-01	4.29E-01	9-15E-01
	13	- <del>11</del>	73	72	31054.82	1	3740.27	2.6736	0.0303	0.0	0.0	2.87E-06	1.71E-04	2.38E-93	1.46E-02
	12	10	1	0	20248.94	i	3740.57	2.6734	0.0603	0.0	0.0	5.31E-05	6.66F-04	3.29E-03	9.67F-03
	12	10	92	91	34449.46	<del>i -</del>	3741.17	2.6730	0.0303	0.0	0.0	0.0	2.86E-05	5.53E-04	4.29E-03
	10	8	22	23	17390.49	•	3741.25	2.6729	0.0476	0.0	1.37E-04	5.73E-03	4.76F-02	1.79F-01	4.32E-01
		- 9	11	12	18616.82	1	3741.88	2.6725	0.0617	0.0	2.87E-05	1.618-03	1.60E-02	6.75E-02	1.77E-01
		11	21	20	22856.06	1	3741.94	2.6724	0.0515	0.0	1.46E-06	2.26E-04	4-12F-03	2.68E-02	9.19E-02
	<u>13</u>	<del></del>	65	66	10041.41	2	3741.94	2.6724	0.0303	3.27E-06	2.39E-04	1.71E-03	4.93F-03	9.15E-03	1.335-02
						1		2.6722	0.0303	0.0	0.0	3.35E-06	1.92E-04	2.62E-03	1.585-02
	13	<u>11</u>	72 105	71	30814.84	- <u>i</u>	3742.29	2.6718	0.0303	0.0	0.0	0.0	7.30E-06	1.78E-04	1.63E-03
	11			37			3742.80	2.6718	0.0308	0.0	8-84E-05	1.19E-03	5.03E-03	1.20E-02	2.10E-02
		5	36		12685.95			2.6716	0.0303	0.0	1.596-04	1.77E-03	6.66E-03	1.47E-02	2.43F-02
	6	4	44	45	11877.80	2	3743.05	2.6714	0.0303	2.49E-06	1.40E-04	8.83E-04	2.36E-03	4.16E-03	5.84E-03
	2	<u>o</u>	71	72	9505-12		3743.31	2.6713	0.0303	6.49E-06	2.57F-03	4.29F-02	2.06F-01	5.36E-01	9.94E-01
	5		61	62	13560.93	1	3743.45	2.6713	0.03331	0.0	3.94E-04	1.28E-02	9.18E-02	3.12F-01	7.01E-01
	9	7	31	32	16343.14	1	3743-51		0.0379	0.0	3.87E-05	6.52F-04	3.14E-03	8.20E-03	1.53E-02
	8	6	27	28	13606.95	2	3743.59	2.6712	0.0379	0.0	1.43E-06	2.26F-04	4 • 16E-03	2.66E-02	9.396-02
	13_	11	22	21	22928.51	1	3743.83	2.6711	0.0303	5.34E-06	1.10E-03	1.33E-02	5.23E-02	1 - 1 9F-0 1	2.026-01
	2	0	75	80	12199.31	1	3743.89	2.6710			1.10E-03	1.06F-04	1.34E-03	6.62F-03	1.945-02
	12		2		20252.43	1	3743.93	2.6710	0.0606	0.0	0.0	3.89E-06	2 • 16F = 04	2.87F-03	1.71F-02
	13	11	71	70	30577.96		3744.23	2.6708	0.0303	0.0					1.09F 00
	<del>7</del>	5	47	48	14734.27	1	3744.57	2.6705	0.0303	2.13E-06	1.48E-03	3.27E-02	1.86E-01	5.42F-01	
	12		91	90	34149.94	1	3744.70	2.6704	0.0303	0.0	0.0	0.0	3.34E-05	6.27E-04	4.77F-03
	<u>. 4</u>	2	56	59	10487.10	2	3745.48	2.6699	0.0303	3.20E-06	2.90E-04	2.31E-03	7.09E~03	1.37E-02	2.06E-02
	13		23	22	23004.38	1	3745.65	2.6698	0.0476	0.0	1.40F-06	2.24F-04	4.19E-03	2.70F-02	9.57E-02
	6	4	54	55	14061.97	1	3745.71	2 • 6697	0.0303	4.39E-06	2.21E-03.	4.16E-02	2-14E-01	5.86E-01	1.12F 00
	5	3	51	52	11099.95	2	3745.86	2.6696	0.0303	2.04E-06	2.48E-04	2.29E-03	7.68E-03	1.58E-02	2.47E-02
	4	2	67	68	12980.85	1	3746.04	2.6695	.0.0303	9.52E-06	2.86E-03	4.15E-02	1.83E-01	4.51F-01	8.04F-01

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE VU VL JU LOWER CODE WAVE WAVE HALF ******* INTEGRATED ** ABSORPTION ** COEFFICIENT ******* STATE NUMBER LENGTH WIDTH CM+GM-1 ENERGY CM-1 MICRON H2 T = 1000T = 1500 T = 2000T = 2500T = 3000 T = 3500 13 11 70 69 30344.16 3746.08 2.6695 0.0303 0.0 0.0 4.51E-06 2.42E-04 3 • 15E-03 1.85E-02 9 10 11 18574.50 3746.17 2.6694 0.0625 0.0 2.75E-05 1.53E-03 1.51E-02 6.34F-02 1.66E-01 73 74 12526.50 3746.17 2.6694 0.0303 9+61E-06 2.32E-03 3.02E-02 1.25E-01 2.94E-01 5.08E-01 10 21 22 17308.79 3746.31 2.6693 0.0496 0.0 1.42E-04 5.84E-03 4.80E-02 1.79F-01 4.30E-01 15428.02 39 40 3746.31 2.6693 0.0303 0.0 8.85E-04 2.31E-02 1.45E-01 4.51F-01 9.52E-01 12 10 2 20259.43 3747.21 2.6687 0.0609 0.0 1.92E-06 1.60E-04 2.01E-03 9.95E-03 2.92E-02 9 104 103 36543.60 3747.39 2.6685 0.0303 0.0 0.0 0.0 8.74E-06 2.06F-04 1.85E-03 17 11 24 23 23083.67 3747.40 2.6685 0.0457 1.36E-06 0.0 2.22E-04 4.19E-03 2.72E-02 9.71E-02 8 115 114 38719.96 3747.63 2.6682 0.0303 0.0 0.0 0.0 2.41E-06 7.02E-05 7.30E-04 13 11 69 68 30113.47 3747.86 2.6682 0.0303 0.0 0.0 5.22E-06 2.71E-04 3.45E-03 1.99E-02 10 90 69 33853.30 3748 - 15 2.6680 0.0303 0.0 0.0 0.0 3.89E-05 7-10E-04 5.29E-03 5 35 36 12557-12 3748.60 2.6677 0.0312 0.0 9.77E-05 1.28E-03 5.30E-03 1.25F-02 2-17F-02 26 27 13510.01 3748.78 2.6675 0.0398 0.0 4.12F-05 6.77F-04 3.22E-03 8.33F-03 1.54F-02 13 11 25 24 23166.39 3749.07 2.6673 0.0437 0.0 1.31E-06 2.19E-04 4 . 19F-03 2.74F-02 9+82E-02 30 31 16228.73 3749.20 2.6672 0.0335 0.0 4.28E-04 1.35E-02 9.53E-02 3.21E-01 7-14F-01 43 44 11720.32 3749.33 2.6671 0.0303 1.11E-06 1.82E-04 1.95E-03 7.16F-03 1.56E-02 2.55E-02 64 65 9807.43 3749.54 2.6670 0.0303 4.53F-06 2.95E-04 2.00E~03 5.57E-03 1.01E-02 1.45E-02 13 11 68 67 29885.90 3749.55 2.6670 0.0303 0.0 0.0 6.02E-06 3.02E-04 3.77E-03 2.14E-02 10 18535.70 3750.39 2.6664 0.0624 0.0 2.60E-05 1 + 4 3E - 0 3 1.41E-02 5.90F-02 1.54F-01 12 10 3 20269.91 1 3750.43 2.6664 0.0611 0.0 2.55E-06 2.13E-04 2.68E-03 1.33E-02 3.90E-02 13 11 26 25 23252.52 3750.67 2.6662 0.0418 0.0 1.26F-06 2.15E-04 4.16E-03 2.75E-02 9.90E-02 13 11 67 66 29661.45 1 3751.17 2.6658 0.0303 0.0 0.0 6.92E-26 3.37E-04 4.11E-03 2.30F-02 3 13334.93 60 61 3751.18 2.6658 0.0303 8.86E-06 3.15E-03 4.98E-02 2.31E-01 5.89E-01 1.08F 00 70 71 9248.86 2 3751.29 2.6657 0.0303 3.56E-06 1.78E-04 1.05E-03 2.70F-03 4.65F-03 6.42E-03 / 10 8 20 21 17230.61 3751.31 2.6657 0.0515 0.0 1.47E-04 5.92E-03 4.82E-02 1.78E-01 4.26F-01 46 47 14560.82 3751.36 2.6657 0.0303 2.69E-06 1.72E-03 3.65E-02 2.02F-01 5.79F-01 1 - 15E 00 10 89 33559.57 88 3751.52 2.6656 0.0303 0.0 0.0 0.0 4.53E-05 8.04E-04 5.87F-03 11 9 103 102 36206.90 3751.90 2.6653 0.0303 0.0 0.0 0.0 1.04E~05 2.39E-04 2.09E-03 1.3 11 27 26 23342.06 3752.19 2.6651 0.0398 0.0 1.21E-06 2.1 IE-04 4.12E-03 2.75E-02 9.96E-02 38 OE 15284.19 1 3752.55 2.6649 0.0303 1.10E-06 9.94F-04 2.51F-02 1.54E-01 4.74F-01 9.89E-01 3 50 10917.06 51 3752.59 2.6648 0.0303 2.62E-06 2.91E-04 2.57E-03 8.40E-03 1.70E-02 2.62E-02 57 58 10278.70 2 3752.65 2.6648 0.0303 4.27E-06 3.49E-04 2.65E-03 7.90E-03 1.50E-02 2.22E-02 13 11 66 65 29440.12 3752.71 2.6647 0.0303 0.0 0.0 7.95E-06 3.74F-04 2.465-02 4.47E-03 78 79 11904.34 3752.79 2.6647 0.0303 8.09E-06 1.45E-03 1.62E-02 6-14E-02 1.36F-01 2.26F-01 53 54 13862.29 3752.97 2.6646 0.0303 5.76E-06 2.64E-03 4.73E-02 2.37E-01 6.36F-01 1.20F 00 8 114 113 38350.04 1 3753.25 2.6644 0.0303 0.0 0.0 0.0 2.94E-06 8.26F-05 B-38F-04 10 20283.89 3753.57 2.6641 0.0614 0.0 3.16E-06 2.65E-04 3.34F-03 1.666-02 4.88F-02 28 27 23435.02 1 3753.64 2.6641 0.0379 0.0 1.15E-06 2.05E-04 4.07F-03 2.74F-02 9.00F-02 6 25. 26 13416.50 3753.91 2.6639 0.0418 0.0 4.36E-05 7.01E-04 3.29E-03 8.44E-93 1.55E-02 2 66 67 12731.90 3754.16 2+6637 0.0303 1.35E-05 3.58E-03 4.90F-02 2.09F-01 5.02F-01 8.80E-01 13 11 65 64 29221.95 3754.17 2.6637 0.0303 0.0 0.0 9.108-06 4.15E-04 4.86E-03 2.64E-02 34 35 12431.72 3754.31 2 2.6636 0.0317 0.0 1.08E-04 1.37E-03 5.55F-13 1.30F-02 2.23F-02 11 18500.42 3754.55 2.6634 0.0624 0.0 2.43E~05 1.33F~03 1.30E-02 5.43F-12 1 . 41E-01 3 72 73 12254.55 3754.69 2.6633 0.0303 1.41E-05 2.98F-03 3.63E-02 1.44E-01 3.32F-01 5.63E-01 12 10 68 87 33268.76 3754.81 2.6632 0.0303 0.0 0.0 0.0 5.275-05 9.105-04 6.52E-03 7 29 30 16117.86 3754.83 2.6632 0.0340 0.0 4.62E-04 1 +4 2E-02 9.86F-02 3.28E-01 7.26F-01 13 11 29 28 23531.37 3755.02 2.6631 0.0359 1.09E-06 0.0 1.99E-04 4 • 01 F-03 2.72E-02 0.99E-02 13 11 64 63 29006.93 1 3755.55 2.6627 0.0303 0.0 0.0 1.04E-05 4.60E-04 5.27E-03 2.82E-02 42 4.3 11566.25 3755.56 2.6627 0.0303 1.36E-06 2.07E-04 2.14E-03 7-67E-03 2.67F-02 1.65F-02 10 19 20 17155.96 3756.24 2.6622 0.0535 0.0 1.51E-04 5.986-03 4.81E-02 1.77E-01 4.20E-01 13 30 29 23631.13 3756.32 2.6622 0.0340 0.0 1.03E-06 1.93E-04 3.93E-03 2.69E-02 9.96F-02

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3.15E-04

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3.99E-03

2.76E-04

1.98E-02

2.36E-03

5.84E-02

13								HOLLCOLA		RBON MONOXI	DE					
13   11   63   62   28795.07   1   3757.05   2.6618   0.0303   0.0   0.0   1.185-05   3.085-04   5.715-03   3.015-02   3.15   63   64   7976.00   2   3757.05   2.6618   0.0303   0.0   0.0   1.085-04   3.285-03   2.685-03   3.285-03   3.285-03   3.285-03   2.285-03   0.085-03   3.285-03   3.285-03   2.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-03   3.285-		VU	VL	Ju	JL		CODE				******	** INTEGRATI			EFFICIENT *	******
1   1   3   1   63   64   6976,160   2   3767,709   2,6616   0,0335   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0   0,0											T = 1000	T = 1500			T = 3000	T = 3500
13   11   51   50   23734,29   3767,15   2.6610   0.0333   0.0   0.0   1.866-04   3.885-03   2.605-02   9.735-02   13   11   62   61   28506,33   1   3768,01   2.6600   0.0303   0.0   0.0   0.0   0.0   0.1   1.855-05   5.605-04   6.175-03   1.285-07   7.285-03   1.385-03   1.3850,03   1   3768,07   2.6600   0.0303   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.75-01   0.		13	11	63	62	28795•07	1	3756.85	2.6618	0.0303	0.0	0.0	1.18E-05	5.08E-04	5.71E-03	3.01E-02
12   10   67   66   32900.07     3758.01   2.6610   0.0303   0.0   0.0   0.1   3555.05   5.605.06   0.178.03   3.218.02   7   7   5   45   46   14390.08   1   3758.09   2.6609   0.0303   3.3778.06   1.998.03   3.518.00   0.0   0.0   0.0   0.088.02   2.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0.198.01   0		3	1		64	9576.80	2	3757.09	2.6616	0.0303	6.23E-06	3.64E-04				1.57F-02
13   11   62   61   28586, 28   3758,07   2,6609   0,0303   0,0   0,0   1,358-05   5,050-04   6,17E-03   3,21E-02   1,00   10   13   13   12   3768,07   3,758,05   2,6609   0,0303   0,0   0,0   0,0   0,0   0,0   3,58E-05   2,050E   0,01E-04   1,00   11   17   18   18   18   18   18   18							1									
7 \$ 46 \$ 46 14390,88   3758.09   2.6609   0.0303   3.78T=00   1.99T=03   4.06E=02   2.19E=01   6.17E=01   1.21E 00   10 8 113 112   3758.156   3.758.63   2.6606   0.0203   0.0   0.0   0.0   3.58E=00   4.78E=02   1.28E=01   13 1 3 3 31 3284.63   3.758.63   2.6606   0.0203   0.0   0.0   2.24E=05   1.21E=03   1.10E=02   4.98E=02   1.28E=01   13 1 3 3 31 3284.63   3.758.17   2.6650   0.0303   0.0   0.0   2.24E=05   1.21E=03   1.10E=02   4.98E=02   0.07E=02   13 1 3 3 5 0 0 13112.37   3.758.88   2.6604   0.0303   1.20E=05   3.68E=03   3.75E=01   0.00E=02   0.0							1									
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11 9 7 6 18466.66 1 3756.63 2.6605 0.0023 0.0 2.24E-05 1.21E-03 1.10F-02 4.92E-02 1.28E-01 13 13 12 31 3280.68 31 3756.71 2.6605 0.0331 1.31E-06 1.11E-03 2.71E-02 1.03E-01 4.96E-01 1.03E 00 5 3 69 60 13112.37 1 3758.64 2.6605 0.0333 1.31E-06 1.11E-03 2.71E-02 1.03E-01 4.96E-01 1.03E 00 5 3 69 60 13112.37 1 3758.64 2.6603 0.0337 0.0 4.60E-05 7.23E-03 3.35E-03 8.51E-03 1.55E-02 2.50E-01 4.77E-01 1.16E 00 6 6 24 25 13326.42 2 3756.90 2.6603 0.0337 0.0 4.60E-05 7.23E-04 3.35E-03 8.51E-03 1.55E-02 2.50E-01 4.79E-01 1.05E 00 6 6 24 25 13326.42 2 3756.90 2.6603 0.0337 0.0 4.60E-05 7.23E-04 3.35E-03 8.51E-03 1.55E-02 2.50E-01 4.99E-01 1.55E-02 2.50E-01 1.55E-02 2.50E-01 1.55E-02 2.50E-01 1.55E-02 2.50E-02 2.50E																
13   11   32   31   328   338   338   3756   71   3,660\$   0,0331   0,0   0,0   1,795   0   3,775   03   2,665   0,0332   1,385   0   1,185   3   2,665   0,0333   1,385   0   1,185   3   2,755   0   0   0   0   6   6   24   25   3326   42   2   3758   98   2,6603   0,0337   0,0   4,060   0,500   3,185   0   0,500   0,500   0   0   0   0   0   0   0   0   0				113			<del></del> _									
8 6 37 38 15143,88 1 3758.73 2,6605 0.0303 1.318-06 1.11E-03 2.71E-02 1.63E-01 4.96E-01 1.03E 00 5 3 59 60 13112.37 3758.48 2,6604 0.0303 1.20E-05 3.84E-03 8.76E-02 2.558E-01 6.47E-01 1.16E 00 8 6 24 25 13322.42 2 3758.98 2.6603 0.0307 0.0 4.60E-05 7.23E-04 3.55E-03 8.51E-03 1.55E-02 2 0.69 70 8995.93 2 3759.21 2.6601 0.0303 0.0 4.60E-05 7.23E-04 3.55E-03 8.51E-03 1.55E-02 1.70E-03 1.70E				_7			1									
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8 6 24 25 13326.42 2 3756.78 2 2.6603 0.0327 0.0 4.60E-05 7.23E-04 3.55E-03 8.51E-03 1.55E-03 2 0.05E-06 2.05E-06 9.05E-05 9.05E-06 1.25E-05 6.16E-04 6.66E-03 3.41E-02 5 3 49 50 10737.67 2 3759.27 2.6601 0.0303 0.0 0.0 0.0 1.52E-05 6.16E-04 6.66E-03 3.41E-02 1.0 7 6 20326.34 1 3759.25 2.6559 0.022 0.0 4.31E-06 3.64E-04 4.62E-03 2.50E-02 6.0 1.0 0.0 1.25E-05 6.16E-04 6.66E-03 3.41E-02 1.0 7 6 20326.34 1 3759.05 2.6559 0.022 0.0 4.31E-06 3.64E-04 4.62E-03 2.50E-02 6.00E-02 4 2 56 57 10073.68 2 3759.65 2.6559 0.022 0.0 4.31E-06 3.64E-04 4.62E-03 2.50E-02 6.00E-02 4.2 56 57 10073.68 2 3759.65 2.6559 0.022 0.0 0.0 0.0 1.72E-04 3.67E-03 2.50E-02 6.00E-02 1.0 1.0 1.72E-04 3.67E-03 2.50E-02 6.00E-02 1.0 1.0 1.72E-04 3.67E-03 2.50E-02 9.75E-02 9.75E																
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12   10   7   6   20322-34   1   3769-65   2.6597   0.0303   5.656-06   4.200-06   3.038-03   3.760-03   2.300-02   2.300-02   13   11   33   32   23950-76   1   3759-79   2.6597   0.0325   0.0   0.0   1.720-04   3.030-03   3.670-03   3.750-02   2.590-02   7.5   33   34   2399-75   2   3759-79   2.6596   0.0321   0.0   0.0   1.180-04   1.450-03   3.670-03   3.590-02   9.790-02   0.0   0.0   1.180-04   1.450-03   3.670-03   3.590-02   9.790-02   0.0   0.0   1.180-04   1.450-03   3.670-03   3.590-02   9.790-02   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0																
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13 11 33 32 23950.76 1 3759.79		12					2									
7 5 33 34 12309.75 2 3759.97 2.6596 0.0321 0.0 1.18E-04 1.45E-03 5.81E-03 1.34E-03 1.25E-02 0.0 6 4 52 53 13666.09 1 3760.17 2.6595 0.0303 7.53E-06 3.18E-03 5.7E-02 2.62E-01 6.99E-01 1.29E-00 1.29E-00 1.29E-00 1.29E-00 1.29E-00 1.29E-00 1.29E-00 1.29E-01 1.29E-00 1.29E-00 1.29E-00 1.29E-01		13	<del></del>													
G0         6         4         52         53         13666,09         1         3760,17         2.6599         0,0303         0.0         0.0         1.72E-05         6.77E-02         2.62E-01         6.89F-01         1.29E-03         3.62E-02           9         7         2E         29         16010,51         1         3760,57         2.6593         0.0359         0.0         0.0         0.0         1.08E-02         1.02E-01         3.36E-01         7.36E-01           13         11         34         33         24064,08         1         3760,79         2.6591         0.0332         0.0         0.0         1.66E-04         3.66E-03         2.54E-02         9.69E-02           12         10         66         85         32695,94         1         3761,11         2.6588         0.0552         0.0         1.55E-04         6.01E-03         4.78E-02         1.45E-02         3.48E-02         3.49E-02         3.48E-02         3.48E-02         3.48E-02         3.48E-02         3.48E-02         3.48E-02         3.48E-02         3.48E-02         3.																
11 9 101 100 35541-77 1 3760.67 2.6591 0.0303 0.0 0.0 0.0 1.498E-05 3.18E-04 2.67E-03 1.0 13 11 34 33 24064.08 1 3760.67 2.6590 0.0321 0.0 0.0 0.0 1.66E-04 3.56E-03 2.56E-02 9.69E-02 10 8 18 19 17084.85 1 3761.11 2.6588 0.0552 0.0 1.55E-04 6.01E-03 4.78E-02 1.75E-01 4.13E-01 12 10 8 6 85 32695.94 1 3761.13 2.6588 0.0552 0.0 0.0 0.0 0.0 7.10E-05 1.16E-03 7.98E-03 13 11 59 58 27979.44 1 3761.26 2.6587 0.0303 0.0 0.0 0.0 1.95E-05 7.43E-04 7.72E-03 3.88E-02 2.76E-02 13 11 35 34 24180.77 1 3761.76 2.6584 0.0317 0.0 0.0 0.0 1.95E-02 7.19E-02 1.55E-01 4.25E-01 13 11 35 34 24180.77 1 3761.76 2.6584 0.0313 1.66E-06 2.35E-04 2.33E-03 6.21E-03 1.74E-02 2.78E-02 13 11 35 34 24180.77 1 3761.76 2.6584 0.0313 1.66E-06 2.35E-04 2.33E-03 6.21E-03 1.74E-02 2.78E-02 13 11 35 35 57 27783.53 1 3762.15 2.6584 0.0303 1.66E-06 2.35E-04 2.33E-03 6.21E-03 1.74E-02 2.78E-02 13 11 36 35 7 27783.53 1 3762.25 2.6584 0.0303 1.89E-02 4.48E-03 5.78E-02 2.37E-01 5.58E-01 9.62E-01 12 10 8 7 20346.80 1 3762.25 2.6580 0.0303 0.0 0.0 0.0 1.48E-03 5.78E-02 2.37E-01 5.58E-01 9.62E-01 12 10 8 7 20346.80 1 3762.25 2.6580 0.0303 1.89E-03 4.48E-03 5.78E-02 2.37E-01 5.58E-01 9.62E-01 13 11 36 35 24300.84 1 3762.58 2.6578 0.0312 0.0 0.0 1.0 1.48E-06 4.11E-04 5.24E-03 2.658E-02 7.73E-02 13 11 36 35 24300.84 1 3762.58 2.6578 0.0312 0.0 0.0 1.0 1.48E-06 4.11E-04 5.24E-03 2.65E-02 7.73E-02 13 11 36 35 24300.84 1 3762.58 2.6578 0.0312 0.0 0.0 1.0 1.48E-06 3.33E-03 2.65E-02 7.73E-02 13 11 36 35 24300.84 1 3762.58 2.6578 0.0312 0.0 0.0 1.48E-06 4.11E-04 5.24E-03 3.65E-02 7.73E-02 13 11 36 35 24300.84 1 3762.58 2.6578 0.0312 0.0 0.0 1.48E-06 4.11E-04 5.24E-03 3.65E-02 7.73E-02 13 11 36 35 24300.84 1 3762.99 2.6575 0.0303 0.0 0.0 0.0 2.06E-05 8.89E-04 9.09E-03 1.05E-02 7.73E-02 13 11 36 35 24300.84 1 3762.99 2.6575 0.0303 0.0 0.0 0.0 1.48E-06 3.48E-03 2.65E-02 7.73E-02 13 11 36 35 24300.84 1 3762.99 2.6575 0.0303 0.0 0.0 0.0 1.48E-00 3.48E-02 1.67E-01 3.73E-01 5.55E-01 13 11 36 35 24300.84 1 3762.99 2.6575 0.0303 0.0 0.0 0.0 1.48E-00 3.48E-02 1.67E-01 3.75E-03 3.67	ಟ															
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1			<del></del>	77	78	11612.75	1		2.6584	0.0303	1.22E-05	1.90E-03	1.98E-02	7.19E-02	1 .55E-01	2.53E-01
13   1   58   57   27783,53   3762,16   2.6580   0.0303   0.0   0.0   2.19E-05   8.13E-04   8.29E-03   4.08E-02   4   2   65   66   12486,39   1   3762,23   2.6580   0.0303   1.89E-05   4.48E-03   5.78E-02   2.37E-01   5.58E-01   9.65E-01   12   10   8   7   20346,80   1   3762,58   2.6578   0.0623   0.0   0.0   0.0   1.48E-04   5.24E-03   2.65E-02   9.42E-02   13   11   36   35   24300,84   1   3762,58   2.6578   0.0312   0.0   0.0   0.0   1.48E-04   3.33E-03   2.43E-02   9.42E-02   1.45E-01   1.45		13	11	35	34	24180.77	1	3761.72	2.6584	0.0317	0.0	0.0	1.56E-04	3.45E-03	2.49E-02	9.576-02
4 2 65 66 12486.39 1 3762.23 2.6580 0.0303 1.89E-05 4.48E-03 5.78E-02 2.37E-01 5.58E-01 9.62E-01 12 10 8 7 20346.60 1 3762.58 2.6578 0.0623 0.0 4.84E-06 Â.11E-04 5.28E-03 2.62E-02 7.73E-02 13 11 36 35 24300.84 1 3762.58 2.6578 0.0620 0.0 0.0 1.48E-06 3.33E-03 2.62E-02 7.73E-02 11 9 6 7 18440.43 1 3762.58 2.6578 0.0620 0.0 2.02E-05 1.09E-03 1.05E-02 4.38E-02 1.14E-01 13 11 57 56 27590.84 1 3762.69 2.6575 0.0303 0.0 0.0 2.46E-05 8.89E-04 8.90E-02 1.14E-01 13 11 37 36 24424.27 1 3763.15 2.6573 0.0303 2.05E-05 3.81E-03 4.36E-02 1.67E-01 3.73E-01 6.22E-01 13 11 37 36 24424.27 1 3763.36 2.6572 0.0308 0.0 0.0 0.0 2.76E-05 9.69E-04 9.53E-02 9.26E-02 13 11 56 55 27401.37 1 3763.36 2.6572 0.0303 0.0 0.0 0.0 2.76E-05 9.69E-04 9.53E-03 4.57E-02 9.26E-02 13 11 36 35 24424.27 1 3763.83 2.6569 0.0303 0.0 0.0 0.0 2.76E-05 9.69E-04 9.53E-03 4.57E-02 9.26E-02 13 11 3763.63 1 3763.83 2.6569 0.0303 0.0 0.0 0.0 2.76E-05 9.69E-04 9.53E-03 4.57E-02 9.26E-02 13 11 38 37 24551.07 1 3763.83 2.6569 0.0303 0.0 0.0 0.0 2.76E-05 9.69E-04 9.53E-03 1.55E-02 13 11 38 37 24551.07 1 3764.06 2.6567 0.0303 0.0 0.0 0.0 1.32E-04 3.08E-06 1.18E-04 1.10E-03 13 11 38 37 24551.07 1 3764.06 2.6567 0.0303 0.0 0.0 0.0 1.32E-04 3.08E-03 2.30E-03 8.81E-03 13 11 55 54 27215.13 1 3764.46 2.6566 0.0303 0.0 0.0 0.0 1.32E-04 3.08E-03 2.30E-02 9.08E-02 13 11 38 32 24513.95 1 3764.46 2.6566 0.0303 0.0 0.0 0.0 1.32E-04 3.08E-05 1.05E-03 8.81E-03 13 11 39 38 24681.22 1 3764.69 2.6563 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 1.02E-02 8.89E-02 7 5.44 45 14224.45 1 3764.69 2.6563 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 1.02E-02 8.89E-02 7 5.44 45 14224.45 1 3764.69 2.6563 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 1.02E-02 8.89E-02 7 5.44 45 14224.45 1 3764.69 2.6563 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 1.02E-02 8.89E-02 7 5.44 45 14224.45 1 3764.69 2.6565 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 1.02E-02 8.89E-02 1.28E-02 1.78E-01 1.28E 00 8.89E-02 1.28E 00 8.89E-02 1.38E-03 1.02E-02 8.89E-02 1.28E-03 1.02E-02 8.89E-02 1.28E-03 1.02E-02 8.89E-02 1.28E-03 1.02E-02 8.89E-02 1.28E-03 1.02		6	4	41	42	11415.59	2	3761.73	2.6584	0.0303	1.66E-06	2+35E-04	2.33E-03	8.21E-03	1.74E-02	2.78E-02
12 10 8 7 20346.80 1 3762.58 2.6578 0.0623 0.0 4.84E-06 4.11E-04 5.24E-03 2.62E-02 7.73E-02 13 11 36 35 24300.84 1 3762.68 2.6578 0.0312 0.0 0.0 1.48E-04 3.33E-03 2.43E-02 9.42E-02 11 9 6 7 1840.43 1 3762.68 2.6577 0.0620 0.0 2.02E-05 1.09E-03 1.05E-02 4.38E-02 1.14E-01 13 11 57 56 27590.84 1 3762.99 2.6575 0.0303 0.0 0.0 2.46E-05 8.89E-04 8.90E-03 4.32E-02 3 1 71 72 11986.02 1 3763.15 2.6573 0.0303 2.05E-05 3.81E-03 4.36E-02 1.67E-01 3.73E-01 6.22E-01 13 11 37 36 24424.27 1 3763.36 2.6572 0.0303 0.0 0.0 1.40E-04 3.21E-03 2.37E-02 9.26E-02 13 11 56 55 27401.37 1 3763.74 2.6569 0.0303 0.0 0.0 0.0 2.76E-05 9.69E-04 9.53E-03 4.57E-02 10 8 112 111 37618.05 1 3763.83 2.6559 0.0303 0.0 0.0 0.0 4.36E-06 1.14E-04 1.10E-03 18 6 23 24 13239.77 2 3763.99 2.6568 0.0457 0.0 4.82E-05 7.43E-04 3.40E-03 8.57E-03 1.55E-02 13 11 38 37 24551.07 1 3764.06 2.6557 0.0303 0.0 0.0 1.14E-06 8.21E-05 1.30E-03 8.81E-03 13 11 55 54 27215.13 1 3764.06 2.6557 0.0303 0.0 0.0 0.0 1.14E-06 8.21E-05 1.30E-03 8.81E-03 13 11 39 38 24681.22 1 3764.42 2.6566 0.0303 0.0 0.0 0.0 1.14E-06 8.21E-05 1.30E-03 8.81E-03 13 11 39 38 24681.22 1 3764.42 2.6565 0.0303 0.0 0.0 0.0 1.14E-06 8.21E-05 1.30E-03 8.81E-03 13 11 39 38 24681.22 1 3764.45 2.6565 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.89E-02 13 11 39 38 24681.22 1 3764.45 2.6565 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.89E-02 13 11 39 38 24681.22 1 3764.45 2.6563 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.89E-02 13 11 39 38 24681.22 1 3764.45 2.6565 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.89E-02 13 11 39 38 24681.22 1 3764.69 2.6563 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.89E-02 13 11 4 4 5 263.9349.53 2 3764.85 2.6550 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.89E-02 13 11 4 5 5 5 27215.13 1 3764.69 2.6550 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.89E-02 13 11 5 5 5 27215.13 1 3764.69 2.6550 0.0303 0.0 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.89E-02 13 11 5 6 5 5 2732.14 1 3765.65 2.6559 0.0303 0.0 0.0 0.0 3.44E-05 1.75E-05 5.65E-02 13 11 6 9 8 20374.75 1 3765		13	11	58	57	27783.53	1	3762.16	2.6580	0.0303	0.0	0.0	2.19E-05	8.13E-04	8.29E-03	4.08E-02
13 11 36 35 24300.84 1 3762.58 2.6578 0.0312 0.0 0.0 1.48E-04 3.33E-03 2.43E-02 9.42E-02 11 9 6 7 18440.43 1 3762.64 2.6577 0.0620 0.0 2.02E-05 1.09E-03 1.05E-02 4.38E-02 1.14E-01 13 11 57 56 27590.84 1 3762.99 2.6575 0.0303 0.0 0.0 2.46E-05 8.89E-04 8.90E-03 4.32E-02 3 1.71 72 11986.02 1 3763.15 2.6573 0.0303 2.05E-05 3.81E-03 4.36E-02 1.67E-01 3.73E-01 6.22E-01 13 11 37 36 2442.27 1 3763.36 2.6572 0.0308 0.0 0.0 0.0 1.40E-04 3.21E-03 2.37E-02 9.26E-02 13 11 56 55 27401.37 1 3763.63 2.6572 0.0308 0.0 0.0 0.0 1.40E-04 3.21E-03 2.37E-02 9.26E-02 10 8 112 111 37618.05 1 3763.83 2.6569 0.0303 0.0 0.0 0.0 2.76E-05 9.69E-04 9.53E-03 4.57E-02 13 11 38 37 24561.07 1 3763.69 2.6568 0.0457 0.0 4.82E-05 7.43E-04 3.06E-06 1.14E-04 1.10E-03 8.6 23 24 13239.77 2 3763.99 2.6568 0.0457 0.0 4.82E-05 7.43E-04 3.06E-03 2.30E-02 9.08E-02 12 10 E5 84 32413.95 1 3764.17 2.6566 0.0303 0.0 0.0 0.0 1.32E-04 3.06E-03 2.30E-02 9.08E-02 12 10 E5 84 32413.95 1 3764.17 2.6566 0.0303 0.0 0.0 0.0 1.32E-04 3.06E-05 1.30E-03 8.81E-03 13 11 35 36 27215.13 1 3764.42 2.6565 0.0303 0.0 0.0 0.0 1.32E-04 3.06E-03 1.02E-02 4.82E-02 3 1.62E-03 1.02E-02 4.82E-02 3 1.62E-03 1.02E-02 4.82E-02 3 1.62E-03 1.02E-03 1.02E-02 4.82E-02 3 1.62E-03 1.02E-03 1.02E-02 4.82E-02 3 1.62E-03 1.02E-03		4	2	65	66	12486.39	1	3762.23	2.6580	0.0303	1.89E-05	4.48E-03	5.78E-02	2.37E-01	5.58E-01	9.62E-01
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13 11 39 38 24681.22 1 3764.69 2.6563 0.0303 0.0 0.0 1.24E-04 2.95E-03 2.23E-02 8.69E-02 7 5, 44 45 14224.45 1 3764.75 2.6562 0.0303 4.20E-06 2.29E-03 4.48E-02 2.37E-01 6.57E-01 1.28F 00 8 6 36 37 15007.09 1 3764.85 2.6561 0.0308 1.56E-06 1.24E-03 2.93E-02 1.73E-01 5.17E-01 1.06E 00 11 9 100 99 35213.38 1 3764.92 2.6561 0.0303 0.0 0.0 0.0 1.76E-05 3.67E-04 3.00E-03 13 11 54 53 27032.14 1 3765.01 2.6560 0.0303 0.0 0.0 3.44E-05 1.14E-03 1.09E-02 5.07E-03 13 11 40 39 24814.72 1 3765.25 2.6559 0.0303 0.0 0.0 1.16E-04 2.82E-03 2.16E-02 8.68E-02 12 10 9 8 20374.75 1 3765.45 2.6557 0.0624 0.0 5.33E-06 4.56E-04 5.83E-03 2.92F-02 8.65E-02																
7 5 44 45 14224.45 1 3764.75 2.6562 0.0303 4.20E-06 2.29E-03 4.48E-02 2.37E-01 6.57E-01 1.28F 00 8 6 36 37 15007.09 1 3764.85 2.6561 0.0308 1.56E-06 1.24E-03 2.93E-02 1.73E-01 5.17E-01 1.06E 00 11 9 100 99 35213.38 1 3764.85 2.6561 0.0303 0.0 0.0 0.0 1.76E-05 3.67E-04 3.00E-03 13 11 54 53 27032.14 1 3765.01 2.6560 0.0303 0.0 0.0 3.44E-05 1.14E-03 1.09E-02 5.07E-02 13 11 40 39 24814.72 1 3765.25 2.6559 0.0303 0.0 0.0 1.16E-04 2.82E-03 2.16E-02 8.68E-02 12 10 9 8 20374.75 1 3765.45 2.6557 0.0624 0.0 5.33E-06 4.56E-04 5.83E-03 2.92F-02 8.65E-02																
8 6 36 37 15007.09 1 3764.85 2.6561 0.0308 1.56E-06 1.24E-03 2.93E-02 1.73E-01 5.17E-01 1.06E 00 11 9 100 99 35213.38 1 3764.92 2.6561 0.0303 0.0 0.0 0.0 1.76E-05 3.67E-04 3.00E-03 13 11 54 53 27032.14 1 3765.01 2.6560 0.0303 0.0 0.0 3.44E-05 1.14E-03 1.09E-02 5.07E-02 13 11 40 39 24814.72 1 3765.25 2.6559 0.0303 0.0 0.0 1.16E-04 2.82E-03 2.16E-02 8.68E-02 12 10 9 8 20374.75 1 3765.45 2.6557 0.0624 0.0 5.33E-06 4.56E-04 5.83E-03 2.92F-02 8.65E-02							7									
11 9 100 99 35213.38 1 3764.92 2.6561 0.0303 0.0 0.0 0.0 1.76E-05 3.67E-04 3.00E-03 13 11 54 53 27032.14 1 3765.01 2.6560 0.0303 0.0 0.0 3.44E-05 1.14E-03 1.09E-02 5.07E-02 13 11 40 39 24814.72 1 3765.25 2.6559 0.0303 0.0 0.0 1.16E-04 2.82E-03 2.16E-02 8.68E-02 12 10 9 8 20374.75 1 3765.45 2.6557 0.0624 0.0 5.33E-06 4.56E-04 5.83E-03 2.92F-02 8.65E-02																
13 11 54 53 27032·14 1 3765·01 2·6560 0·0303 0·0 0·0 3·44E-05 1·14E-03 1·09E-02 5·07E-02 13 11 40 39 24814·72 1 3765·25 2·6559 0·0303 0·0 0·0 1·16E-04 2·82E-03 2·16E-02 8·68E-02 12 10 9 8 20374·75 1 3765·45 2·6557 0·0624 0·0 5·33E-06 4·56E-04 5·83E-03 2·92F-02 8·65E-02																
13 11 40 39 24814.72 1 3765.25 2.6559 0.0303 0.0 0.0 1.16E-04 2.82E-03 2.16E-02 8.68E-02 12 10 9 8 20374.75 1 3765.45 2.6557 0.0624 0.0 5.33E-06 4.56E-04 5.83E-03 2.92F-02 8.65E-02																
12 10 9 8 20374.75 1 3765.45 2.6557 0.0624 0.0 5.33E-06 4.56E-04 5.83E-03 2.92F-02 8.65E-02							1									
							<del> </del>									
14 11 54 50 06860.50 1 3766.67 9.6667 0.0303 0.0 0.0 0.0 3.002.00 1 046.00 4 446.00 6 556.67		13		53	52	26852.39		3765.45	2.6557	0.0303	.0.0	0.0	3.82E-05	1.245-03	1.16E-02	2.33E-05

	vu -	VL.	Ju	JĽ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	,HALF WIDTH	*****	** INTEGRAT	ED ** ABSORI		EFFICIENT *	*****
					ENERGY		CM−1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	Y = 3000	T = 3500
	7	_5_	32	33	12191.21		3765.56	2.6556	0.0326	0.0	1 - 29E-04	1.54F-03	6.06E-03	1.38F-02	2.336-02
1	13	11	41	40	24951.57		3765.73	2.6555	0.0303	0.0	0.0	1.09F-04	2.69E-03	-2.09E-02	8.46F-02
	5	3	4.8	49	10561.49	2	3765.88	2.6554	0.0303	4.23E-06	3.96E-04	3.215-03	9.996-03	1.95E-02	2.94E-02
	9	7	27	26	15906.70	1	3765.89	2.6554	0.0379	0.0	5.33E-04	1.56F-02	1.05E-01	3.43F-01	7.48F-01
	10	8	17	18	17017.28		3765.90	2.6554	0.0568	0.0	1.57E-04	6.01E-03	4.74E-02	1.726-01	4.04F-01
	13	11	52	51	26675.90	1	3765.97	2.6554	0.0303	0.0	0.0	4.23E-05	1.34E-03	1.23F-02	5.60E-02
	13 13	11	42	41	25091.76		3766.13	2.6552	0.0303	0.0	0.0	1.01E-04	2.55E-03	2.01F-02	8.22E-02
		11	51	50	26502.68	1	3766+33	2.6551	0.0303	0.0	0.0	4.68E-05	1.44E-03	1.30F-02	5.87E-02
	<u>5</u> -	3	58	59	12893.29	_ 1	3766.45	2.6550	0.0303	1.63E-05	4.69E-03	6+67E-02	2.90E-01	7.10E-01	1.26F 00
	13	11	43	42	25235.28		3766.46	2.6550	0.0303	0.0	0.0	9.40F-05	2.42E-03	1.93F-02	7.98E-02
	11	9_	5	6	18415.73		3766.59	2.6549	0.0617	0.0	1.78E-05	9.54E-04	9.20F-03	3.82E-02	9.89F-02
	13	11	50	49	26332.73		3766.61	2,6549	0.0303	0.0	0.0	5-16F-05	1.55E-03	1.38E-02	6.14F-02
	13_	11	44	43	25382.13	** ************************************	3766.71	2.6548	0.0303	0.0	0.0	8.71F-05	2.29E-03	1.85F-02	7.73F-02
:	13	11	49	48	26166.05		3766.82	2.6548	0.0303	0.0	0.0	5.67E-05	1.67E-03	1.46E-02	6.41E-02
	· · · · · · · · · · · · · · · · · · ·		55	56	9872.04	2-	3766.82	2.6548	0.0303	7.46E-06	5.02E-04	3.46E-03	9.73F-03	1.78E-02	2.56E-02
	13 13	11 11	45	44	25532.30	1	3766.89	2.6547	0.0303	0.0	0.0	8.04E-05	2.16E-03	1.77E-02	7.47F-02
	<del>13</del>	<del>11</del> -	48	47	26002.67	_ 1	3766.95	2.6547	0.0303	0.0	0.0	6.21E-05	1.78E-03	1.53E-02	6.68F-02
	13	11	47	45	25685.79		3766.99	2.6546	0.0303	0.0	0.0	7.40E-05	2.03F-03	1.695-02	7.21F-02
	2	<del></del>	68	46 69	25842.57		3767.01	2.6546	0.0303	0.0	0.0	6.79€-05	1.91E-93	1.61F-02	6.95F-02
336	12	10	84		8746.33	2	3767.07	2.6546	0.0303	7.16E-06	2.81F-04	1.47E-03	3.53F-03	5.79F-03	7.72F-03
	6		51	83	32134.93		3767.13	2.6545	0.0303	0.0	0.0	1.36E-06	9.48E-05	1.475-03	9.72F-03
•		4		52	13473.39	1	3767.31	2.6544	0.0303	9.79F-06	3.72E-03	6.08E-02	2 • 88E-01	7.45F-01	1.37F 00
	12	10	40	41	11268.36	_2	3767.84	2.6540	0.0303	2.01E-06	2.65E-04	2.54E-03	8.76E~03	1.83E-02	2.90F-n2
•	8	6	22	9 23	20406.19	1	3768.24	2.6538	0.0624	0.0	5.78F-06	4.98E-04	6.40E-03	3.22F-02	9.54E-02
	ιŏ			110	13156.57		3768.93	2.6533	0 04 76	0.0	5.03F-05,	7.60E-04	3.43E-03	8.59E-03	1.55E-02
	11	9	66	98	37256.02 34887.79	1	3768.98	2.6532	0.0303	0.0	0.0	0.0	5.29E-06	1.34E-04	1.26F-03
	2	10	<del>- 23</del>	82	31858.89		3769.09	2.6532	0.0303		0.0	_ 0 • 0,	2.095-05	4.22E-04	3.38E-03
•	4	2	64	65	12244.32	1	3770.01	2.6525	0.0303	0.0	0.0	1.64E-06	1 • 09E-04	1.656-03	1.07E-02
	ž	<del>-</del> -	76	- <del>77</del> -	11324.54		3770.23	2.6524	0.0303	2.65E-05	5.58E-03	6.79F-02	2.70F-01	6.19E-01	1.05E 00
,	11	ŏ	4	5	18394.55	1	3770.42	2.6522	0.0303	1 •83E-05	2.48E-03	2.42F-02	8.41E-02	1.77F-01	2.82E~01
	ió		-1 <del>6</del> -		16953.25		3770.47	2.6522	0.0614	0.0	1.52E-05	8-1CE-04	7.79F-03	3.23E-02	8.35F~02
	8	6	35	36	14873.83	1	3770.63	2.6521	0.0585	0.0	1.58E-04	5.97E-03	4.66E-02	1.68F~01	3.94E-01
	12.	10	- īi -		20441.12	t	3770.90	2.6519	0.0312	1 • 85E-06	1.37E-03	3.14E-02	1.82E-01	5.39E-01	1+09F 00
	7	5	31	32	12076.10	1 2	3770.96	2.6518	0.0625	0.0	6-18E-06	5.37E-04	6.94E-03	3.50F-92	1.04E-01
~ · =	- <u>-</u>	<del>- 7</del> -	26	27	15806.43		3771.09	2.6518	0.0331	0.0	1.40E-04	1.63E-03	6-30E-03	1.42E-02	2.38E-02
	7	5	43	44	14061.54	1	3771.32	2.6516	0.0398	0.0	5.69F-04	1 • 6 3E-02	1.08E-01	3.49F-01	7.55E-01
<del></del>	<del></del>	<u> </u>	70	71	11720.90	· <del>-                                   </del>	3771.35 3771.54	2.6516	0.0303	5.22E-06	2.63E-03	4.95E-02	2.55E-01	6.98E-01	1.34F 00'
	3	i	61	62	9125.64	2	3772.01		0.0303	2.96E-05	4.86F-03	5.22F-02	1 •92E-01	4 - 19E-01	6.87E-01
	5	- <del>3</del>	47	48	10388.82		3772.44	2.6511 2.6508	0.0303	1.16E-05	5.46F-04	3.14E-03	7.94E-03	1.35E-02	1.85E-02
1	12	10	<b>E2</b>	81	31585.85	1	3772.80			5.33E-06	4.60E-04	3.58E-03	1.09E-02	2.08E-02	3.11F-02
	17-	- <del></del>	58	97	34565.00	<u>1</u>	3773.18	2.6506	0.0303	0.0	0.0	1.96E-06	1 • 26E-04	1.84E-03	1.18E-02
	12	1Ó	12	11	20479.54	î	3773.61	2.6500	0.0303	0.0	0.0	0.0	2 48E-05	4.84E-04	3.79E-03
	8	<del>-</del> ~	21	22	13076.80	<u>-</u>	3773.81	2.6498	0.0496		6.53E-06	5.73E-04	7.44E-03	3.77E-02	1.12F-01
	4	2	<b>=</b> 4	55	9673.80	2	3773.82	2.6498	0.0303	0.0	5.22E-05	7.738-04	3.45F-03	8.58F-03	1.54F-02
	6"	<del>-</del> -	39	40	11124.55	<u>2</u>	3773.89	2.6498	0.0303	9.79E-06	5.99E-04	3.93E-03	1.08F-02	1 493E-02	2 • 74F - 02
	5	3	57	58	12677.69	ī	3773.99	2.6497	0.0303	2.42E-06	2.98E-04	2.76E-03	9.32F-03	1 • 925-02	3.01F-02
j	iō		ì io		36896.64	i	3774.06	2.6497	0.0303	2.19E-05	5-69F-03	7.69E-02	3+25E=01	7.78F-01	1.365 00
	11	9	3	4	18376.90	î	3774.28	2.6495		0.0	0.0	0.0	6.41E-06	1.576-04	1.44E-03
	6	4	50	51	13284.19	<del></del> -	3774.38	2.6494	0.0611	0.0	1.24E-05	6.59E-04	6.33F-03	.2.62F-02	6.76E-02
	2	ò	67	68	8500.09	,	3774.87			1 • 27F = 05	4.39E-03	6.86E-02	3.16E-01	8.03F-01	1.46E 00
	īō	-ã	15	16	16892.75	- <del>-</del> -	3775.30	2.6491	-9.0303	1.01E-05	3.52E-04	1.74E-03	4.02E-03	_6.44E-03	8.45E-03
		10			31315.80			2.6488	0.0591	0.0	1.59F-04	5.89E-03	4.57E-02	1.64E-01	3.82E-01
	-			. ~~		. •	3775.51	2 • 6486	0.0303	0.0	0.0	2.33E-06	1 • 44E-04	2.06F-03	1.29F-02

	VU VL	- <u>J</u> Ū	JĽ	LOWER STATE	cope	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRATE	์ บัน ** ไล้ที่รถสะ เกษสุด		FFICIFNT *	****
			•	ENERGY	•	CM-1	WICKON	H2	T = 1000	T = 1500 °	T = 2000	т = 2500 [™]	T = 3000	T = 3500
		-		. ,										
	12 10	13	12	20521-44	1	3776.18	2.6482	0.0610	0.0	6.835-06	6.06F-04	7.91E-03	4.02E-02	1.20F-01
	ה" ל ^{ייי} ל	30	31	11964.44		้ 3 ั้ววั้ 6 • 5 6	2.6479	์ โด•โด3335 ```	0.0	1.51F-04	1.72F-03	6.545-03	1 • 46F-12	2.43F-02
-	9 7	25	26	15709.71		3776.69	2.6478	0.0418	o · c · · · · ·	5.04E-04	1.69F-02	1-10F-21	3.54F-01	7.61F-01
	8 6	34	35	14744.11	1	3776.89	2.6477	0.0317	2.175-06	1.52F-03	3.37F-02	1.92E-01	5.59F-01	1-13F 00
	11 9 7 5	97 42	96 43	34245.04 13902.14		3777•18 3777•88	2.6475	0.0303		0.0	_0.0	2.93E-05	5 558-04	4.25E-03
	11 9	42	43	18362.78		3778.02	2.6470	0.0303 0.0509	6.43F-06	3.00F-03	5.45E-02	2.74E-01	7.395-01	1.40F 00
,	12 10	î eo	79	31048.78		3778.14	2.6469	. 0.0304 	9 • 9	9.50F-06 0.0	5.02F-04 2.78F-06	4.80E-03 1.65E-04	1.98F-02 2.30F-03	5-12F-02 1-42E-02
	4 2	63	64	12005.71	î	3778-17	2.6468	0.0303	3.68F-05	6.92F-03	7.966-02	3.056-01	6 - 865-01	1.14E 00
•	8 6	20	21	13000.48	ž '	3778.63	2.6465	0.2515	ċ.0		7.8ÅE-04	3.465-73	8.545-03	1.525-02
	12 10	14	13	20566.83	_ 1	3778.69	2.6464	0.0604	0.0	7.08F-06	6-35E-04	9.34E-03	4.26F-02	1.28E-01
	5 3		47	10219.57	2	3778.94	2.6462	0.0303	6 69F-06	5.32E-04	3.986-73	1.18F-72	. 5 • 2 2E − 0.2	3.28E-VS
	. 10,8		108	36539.95		.3779,04	2.6462	0.0303	_ 0.0	2.0		7.76F-0 <u>6</u>	1 • 8 TF = 04	1.64E-03
	2 0		76	11039.74		3779.15	2.6461	0.0303	2.725-05	3.22E-03	2.94F-02	9.81E-72	2.01F-01	3.14F-01
	3 1	60 69	6 <u>1</u> 70	8905.12		3779.39	2.6459	0.0303	1.575-05	_6.65E-04	.3 <u>-635-63</u> .		1.48F-02	2.00F-02
	6 4	38	39	11459.21	1 2	3779•88 3779•88	2.6456 2.6456	0.0303 0.0303	4.27F-05	6-17F-03 3-23F-04	6.23E-12	2 • 21 E ^ 1 9 • 8 9 F ^ 3	4.70E-01	7.56E-01
	10 8	14	15	16835.81		3779.89	2.6456	0.0597	2.90E-26	1.58F-04	2.99E-03 5.78E-03	4.45F-12	2.01E-02 1.59E-01	3.13F-02 3.69F-01
	12 10	79	78	30784.78		3780.69	2.6450	0.0303		0.0	3.30F-06	1.895-04	2.57F-03	1.55F-02
, [‡] 337	4 ` 2	53	54	9478.96		3780.76	2.6450	0.0303	1.28F-05	7-13F-04	4.46E-03	1.19F-02"	2.09€-02	2.935-02
37	1.1 9	96	95	33927.93	1	3781.10	2.6447	0.0303	0.0	0.0	0.0	3.46F-05	6.36F-04	4.77E-03
	12 10	15	14	20615.70	1	3781.12	2.6447	0.0597	0.0	7.28F-06	6.60E-04	8.74E-03	4 . 4 RF-02	1.35F-01
	. 6 4	49	50	13098.50	1	3781.39	2 6445	0.0303	1.63E-05	5.17F-03	7.72F-02	3 • 47E - 1	A 65F-01	1.56F ()
	5 3	56	57	12465.57	1	3781.47	2.6445	0.0303	2.94E-05	6.88E-03	8.34E-02	3.62F-01	8.505-01	1.47F 00
• • • •	11 9	~~ 29'.	2 	18352.19		3781 69	2.6443	_0.0606		6.42F-06	3.38E-04	3.24E-C3	. 1.434F-?2.	3.44E-02
	9, 7	24	25	15616.54	2	3781.97 3781.98	2 • 6441 2 • 6441	0.0340 0.0437	0.0	1.63F-04	1.80F-03	6.765-03	1.495-02	2.468-02
	2 0	66	67	8257.20	· 2	3782.62	2.6437	0.0303	0.0 1.41E-05	6.39E-04	_1.75E-02 2.05E-03	_1.13E-01	3.58F-01 7.16F-03	7.65F-01 9.23E-03
	8 6	33	34	14617.93		3782.81	2.6435	0.0321	2.54E-06	1.67E-93	3.60E-02	2.01F-01	5 80E-01	1.16E 00
	12 10	78	77	30523.82	1	3783.16	2.6433	0.0303	0.0	0.0	3.91E-06	2 • 15F-04	2 · 86E-23	1.70E-02
* " " "	8 6	19	20	12927.62	2	3783.39	2.6431	0.0535	9.0	5.52F-05	7.91F-04	3.46F-03	8-475-93	1.50E-02
	12 10	16	15	20668.05	1	3783.48	2.6431	0.0591	0.0	7.428-06	6.81E-94	9.09E-03	4.69F-02	1.42F-01
	7 5		107	36185.95	. 1	3783.94	2.6427	0.0303	0.0	_0.0	0.0	9.37F-06	2.14F-04	, 1.87F-13
	10 8	41 13	42 14	13746.29	1	3784.36	2.6425	0.0303	7.89E-06	3-42F-03	5.97E-02	2.94F-01	7.815-01	1.47F 00
	- 11 9	- 55	-64-	16782.41 33613.67	<del>-</del>	3784.42	2.6424	0.0604	0.0	1.56F-04	5.64F-03	4.30F-22	1.535-01	3+535-01
	11 9	õ	1	18345.12	1	3785.29	2.6418	0.0603	0.0	3.25E-06	1.71E-04	4.07E-05 1.63E-03	7.27F-04	5.33F-23
	້ 5	45	46	10053.75	~~~~	3785.38	2.6417	0.0303	8.34E-06	6.13F-04	4.4CF-03	1.27F-02	6.73F-03 2.37F-02	1.73F=02
	12 10	77	76	30265.92	1	3785.55	2.6416	0.0303	0.0	0+0	4.62F-06	2.45E~04	3-175-03	1.85F-02
	12 10	17	16 ~	20723.88	1 '	3785.77	2.6415	0.0585	C.0	7.51E-06	6.90F-04	9.49E-03	4 87E-02	1.48F-01
	6 4	37	38	10847.26	~ ~ ~ ~ ~	3785.80	2.6414	0.0303	3.46E-06	3.72E-04	3.23E-03	1.05E-02	2.105-02	3.24E-02
	4 2	62	63	11770.57		3786.06	2.6413	0.0303	5.09F-05	8.56F-03	9.31E-02	3.45F-01	7.58F-01	1.25E 00
		. 59	60	8687.99		3786.71	2.6408		2.12F-05	8.08E-74	4 .1 8F-03	9.94F-03		2.15E-02
	9 7	118	24.	38126.84 15526.91	1	3786.96 3787.22	2.6406 2.6405	0.0303	0.0	0.0	0.0	2.84E-06	7.815-05	7.805-04
	- , - <del>,</del>	2 -	29	11751.45	<del></del>	3787.32	2.6404	0.0457	0.0 1.06F-06	6.72F-04 1.75F-04	1.80E-02 1.99E-03	1.14E-01 6.98E-03	3+69F-01 1+53F-02	7.66F-^1
	4 2	52	53	9287.54	2	3787.64	2.6402	0.0303	1.665-05	8.44F-04	5.05F-03	1.31F-02	2.26E-02	2.50F-02 3.13E-02
	2 ~ 0		75	10758.35	1 1	3787.82	2.6400	0.0303	4.04E-05	4.18F-03	3.56E-02	1.14E-01	2.28F-01	3.49F-01
530 d mm =		76	75	3001.1.07	1	3787.85	2.6400	0.0303	0.0	0.0	5.45E-06	2.79E-04	3.52F-03	2.02F-02
	12 10		17	20783.18	i	3787.99	2 6399	0.0568	0.0	7.55E-06	7.13F-04	9.67F-03	5.04F-02	1.538-01
	8 6	18	19	12858.20	2	3788.09	2 6399	0.0552	0.0	5.64E-05	7.94F-04	3.43E-03	8.36E-03	1.485-02
		68	69	11200.97		3789.16	2.6398	0.0303	6+11E-05	7-81F-03	7.41F-02	2.535-01	5.27E-01	8.32F-01
	6, 4	48	_49	12916.32	1	3788.34	2 • 6 3 9 7	0.0393	2.08F_05	6.06F-03	8.67E-02	3.79E-01	9.29F-01	1.65F 00

	VÜ	VĽ.	JU	JL	LOWER	CODE	. MAVE	WAVE	HALF	*****	** INTEGRATE	D ** ABSOR	PTION ** CO	EFFICIENT *	****
					STATE		NUMBER	LENGTH	WIDTH			CM*G			
					ENERGY		CM-1	MICRON	н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	8	6	32	33	14495.30	1	3788.67	2.6394	0.0326	2.95E-06	1.83E-03	3.83E-02	2.10E-01	5.99E-01	1.19E 00
	11	9	94	93	33302.29	1	3788.69	2.6394	0.0303	0.0	0.0	0.0	4 • 79E-05	8.29F-04	5.96E-03
	10	8	107	106	35834.66	1	3,788.76	2.6394	0.0303	0.0	0.0	0.0	1.135-05	2.50E-04	2.13E-03
,	10	8	12	13	16732.56	1	3788 • 88	2.6393	0.0610	0.0	1.52E-04	5.45E-03	4.13E-02	1+46F-01	3.37F-01
<b></b>	5	3	55	56	12256.95	1	3788.89	2.6393	0.0303	3.91F-05	8.30E-03	1.015-01	4.03E-01	9.28E-01	1.58F 00
	12	10	75	74	29759.31	1	3790.08	2.6385	0.0303	0.0	0.0	6.41E-06	3.16E-04	3.90F-03	2.20E-05
	12	10	19	18	20845.96	. 1	3790.13	2.6384	0.0552	0.0	7.54F-06	7.23E-04	9.895-03	5.19F-02	1.59E~01
	2	0	65	66	8017.69	2	3790.32	2.6383	0.0303	1.97E-05	5.45E-04	2.40E-03	5.19E-03	7.93F-03	1.01F-02
	7	5	40	41	13593.96	1	3790.77	2.6380	0.0303	9.63E-06	3.88E-03	6.538-02	3 15E-01	8.24F-01	1.53F 00
	6	4	36	37	10713.77	2	3791.67	2.6374	0.0308	4.09E-06	4 - 13E-04	3.47F-03	1.10E-02	2.196-02	3.34F-02
	5	3	44	45	9891.36	2	3791.76	2.6373	0.0303	1.03E-05	7.03F-04	4.86F-03	1.37F-02	2.51E-02	3.63E-02
	12	10	20	19	20912.20	1	3792.20	2.6370	0.0535	0.0	7.48F-06	7.29F-04	1.01E-02	5.32F-02	4.63E-01
	12_	10	74	_73_	29510.62	1	3792.22	2.6370	0.0303	0.0	0.0	7.52F-06	3.58E-04	4.31F-03	2.39F-02
	11	9	1	Q	18341.60	1	3792.28	2.6369	0.0603	0.0	3.29E-06	1.73E-04	1.65F-03	6.815-03	1.765-02
	11	9	93	92	32993.78	1	3792.36	2.6369	0.0303	0.0	0.0	0.0	5.62E-05	9.45E~04	6.64F-03
	9	7	22	23	15440.84	1	3792.38	2.6369	0.0476	0.0	7.02E-04	1.84E-02	1 - 1 5 F - 0 1	3.625-01	7.64F-01
	3		117,		37745.10	1	3792.60	2.6367	0.0303	0.0	0.0	0.0	3.49E-06	9.25E-05	9.01F-04
	7	5	27	28	11650.14	2	3792.61	2.6367	0.0379	1.18E-06	1.87E-04	1.97E-03	7.18F-03	1.56F-02	2.53F-^2
	<u>a</u> ,	6	17	18	12792-23	2	3792.72	2.6366	0.0568	0.0	5.72E-05	7.92F-04	3.40E-03	8.22F-03	1.45F-02
ω .	10	8	11	12	16686.27	1	3793.27	2.6362	0.0617	0.0	1-48E-04	5.22F-03	3.93E-02	1.39F~01	3.185-01
	10		106		35486.10	1	3793.49	2.6361	0.0303	0.0	0.0	0.0	1.36E-05	2.91E-04	2.42E-03
	4	2	61	62	11538.91	1	3793.88	2.6358	0.0303	7.01E-05	1.05F-02	1.085-01	3.898-01	8.36F-01	1.35F 00
	3	1	58	59	. 8474.25	2	3793.97	2 • 6358	0.0303	2.84E-05	9.80E-04	4.82E-03	1.11F-02	1.785-02	2.33F-02
	12	10	21	20	20981.92	1	3794.20	2.6356	0.0515	0.0	7.39E-06	7.31E-04	1.02F-02	5.43F-02	1.68F-01
	12_	10_	.73	72	29265.04	. 1	3794.29	_2.6355 _	0.0303	0.0	0.0	8.79F~06	4 • 04E-04	4.75E-03	2.59E-02
	4	2	51	52	9099.53	2	3794.46	2.6354	0.0303	2 • 14F-05	9.96E-04	5.696-03	1.44E-02	" 2.44F-02"	3.33F=^2
	. 8	6	31	32	14376.23	, l <u></u> .	3794.46	2 • 6354	0.0331	3.416-06	2.00F-03	4.06E-02	2 • 1 9E - 1	6 • 17F~91	1.21F 00
	6	4	47	48	12737.67	1	3795.23	2.6349	0.0303	2.65E-05	7.07E-03	9.70F-02	4.13F-01	9.96F-01	1.75F 00
	11	9	<u>2</u>	1	18345-12	1	3795.67	2.6346	0.0606	0.0	6.59E-06	3.47E-04	3.32F-03	1.376-02	3.53F-02
	11	9	92	91	32688-18	1	3795.94	2.6344	0.0303	0.0	0.0	0.0	6.58E-15	1.07E-03	7.40E-03
manana waka )	12	10	22	21	21055.10	_, 1,,,,	3796-13	2.6343	0.0496	0.0	7.25F-06	7.31E-04	1.035-02	5.52F-02	1.71F-01
	ัร๊	_	54	55	12051.84	1	3796.25	2.6342	0.0303	5.18E-05	9.96E-03	1.16F-01	4.48E-01	์ "เรา คำกัก"	1.69E 00
	12	10	72	71	29022.55	. 1	3796.27	2.6342	0.0303	0.0	0.0	1.035-05	4.56F-04	5.24E-03	2+81F-02
	3	′ ï '	67	68	10946.18	1	3796.38	2.6341	0.0303	8.71E-05	9.86F-03	8.80E-02	2.90F-01	5.89E-01	9.14F-01
		<u> </u>	73	74	10480.37	<u>-</u>	3796.43	2.6341	0.0303	5.96E-05	5.40F-03	4.31E-02	1.335-01	2.58F-01	3.87E-01
	7 8	5	39	40	13445.18	1	3797.11	2.6336	0.0303	1-176-05	4.38F-03	7.12F-02	3.36E-01	8.675-01	1.60F 00
***********	~ <del>~</del> ~~	-, <u>6</u> 7	16	17	12729.73	2	3797.29	2.6335	0.0585	0.0	5.76E-05	7.86F-04	3.34E-03	8.04F-03	1.41E-02
	-		21	22	15358.34	1	3797.48	2.6333	0.0496	0.0	7.31E-04	1.88E-02	1.17F-01	ั ริ.ัด2ั⊊~ก๊ĩั [™]	7.60E-01
	6	<u>4</u>	35	36	10583.74	- 2	3797.48	2.6333	0.0312	4.82E-06	4.57E-04	3.73E-03	1.16F-02	2.29E-22	3.44E-02
,	10 7	8	10	11	16643.52	1	3797.60	2.6332	0.0625	0.0	1.42E-04	4.96E-03	3.71E-02	1.305-01	2.98F-01
	<del></del>	<del></del>	_26	27	11552.28		3797.83	2.6331	0.0398	1.32E-06	1.99F-04	2.05E-03	7.36E-03	1.58E-02	2.565-02
		0	64	65	7781.55	2	3797.96	2.6330	0.0303	2.73E-05	6.75F-04	2.81F-03	5.87E-03	8.786-03	1.10F-02
	12	.10 3	. ES	<u> 22</u>	21131.74		3797.98	2.6330	0.0476	0.0	7.07F-06	7.26F-04	1.045-02	5.595-02	1-745-01
	5	_	43	44	9732.40	2	3798.08	2 • 6 329	0.0303	1.28E-05	8.04E-04	5.35F-03	1.48F-02	> 66E-22	3.80E-02
·	10		105		35140.28	<u>_</u>	3798.14	2.6329	0.0303	0.0	C • 3	0.0	1 - 53E-05	3.38F-04	2.75F-03
	-		116		37365.96	1	3798.16	2.6329	0.0303	0.0	0.0	0.0	4.28F-76	1.09F-04	1.04F-03
		10	<u>-71</u>	70	28783.19	1	3798-17	2.6328	0.0303	<u>c • c </u>		1.20F-05	5 • 13F-04	5.76F-03	3.04E-02
	11	9	3	2	18352.19	1	3798.99	2.6323	0.0609	0.0	9-886-06	5.21F-04	4.98E-03	2.96F-02	5.31F-02
			, <b>9</b> 1	90	32385.48	1	3799.44	2.6320	0.0303	0.0	0.0	1.076-06	7.69E-05	1.22F-23	8.23F-03
THE R. P. LEWIS CO., LANSING MICH., LANSING MICH., LANSING MICH., LANSING MICH., LANSING MICH., LANSING MICH.	<u> </u>	-	4 * * * * * * * * * * * * * * * * * * *	~ _~		Publish as Live	MAP								
M. ATTOMISTORY	12	10	24	23	21211.84	1	3799.76	2.6317	0.0457	0.0	6.87F-06	7.19F-04	1.04F-02	5.645-02	1.775-01
M. ATTOMISTORY	12 12	10 10	24 70	69	28546.96	_ 1	3800.00	2.6316	0.0303	0.0	6.87F-06 0.0	7.19F-04 1.39E-05	CONTRACTOR MARKET NA CO.		
	12 12 8	10 10 6	24	<u>69</u>	28546.96 14260.70	1 - 1 - 2							1.04F-02	5.64F-02	1.775-01

								CA	RBON MONOXI	DE					
<del></del>	VÜ	VL	, <u>10</u> ,	JĹ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	4	2_	50	51	8914.94		3801.23	2.6307	0.0303	2.75E-05	1.17F-03	6.41F-03	1.575-92	" \$'• 6'5£ -"0'S "	/3.54E-^2
	12	10	25	24	21295-39	1	3801.46	2.6306	0.0437	0.0	6.63F-06	7.98E-04	1.036-02	5.67E-02	1.79F-01
	<u>12</u>	2	_60	<u>-61</u>	11310.73		3801.64	2.6304	0.0303	9.61E-05	1.29E-02	1.26E-01	4.38F-01	ຼຸ ຊ•ຂ1도-າ1ຸ	·1•475.00
	8	6	69 15	68	28313.86	ī	3801.74	2 • 6304	0.0303	0.0	0.0	1.61E-05	6 • 45E-04	6.926-03	3.535~02
	10	8	- 13	16	12670.68	2	3801.80	2.6303	0.0591	0.0	5.76E-05	7.76E-04	3 • 2 7 F = 13	7.826-03	1 • 37E-^2
	6	4	46	47	12562.54	•	3801.85 3802.05	2.6303 2.6302	0.0624 0.0303	0.0	1.34E-04	4.66E-03	3.47F-02	1.21F-01	2.77F-01
	11	<del></del> -			18362.78	i	3802.24	2.6302	0.0511	3.35E-05	8.22E-03	<u></u>	4. <u>-505</u> =21	1.77F,00 2.75F-02	1.855 00
	9	7	20	21	15279.39	i	3802.52	2.6298	0.0515	0.0	1.31E-05 7.56F-04	6.93F-04 1.91E-02	6.64F-03		7.09E-02
	10			103	34797.22	<del>-</del>	3802.70	2.6297	0.0303	- 0.0	0.0	0.0	1.17E-01 1.96E-05	3.61E-01 3.925-04	7.54F-01 3.12F-03
	11	9	90	89	32085.71	i	3802.86	2.6296	0.0303	0.0	7.0	1.30F-06	8.97F-15	1.385-03	9.14F-03
	7	<u></u>	25	26	11457.88	- <del>-</del>	3803.00	2.6295	0.0418	1.47E-06	2.11E-04	2.13F-03	7.53E-03	1.60F-02	2.57E~02
	12	10	26	25	21382.39	ī	3803.10	2.6294	0.0418	0.0	6.38E-06	6.955-04	1.035-03	5.68F-02	1.80F-01
	ਵੋ	<del></del>	34	35	10457.16	2	3803.23	2.6293	0.0317	5.64E-06	5.03F-04	3.9PF-03	1.22F-02	2.365-02	3.546-02
	7	5	3.5	39	13299.95	1	3803.39	2.6292	0.0303	1.41E-05	4.93F-03	7.74E-02	3.58F-01	9-105-01	1.66# 00
	12	10	68	67	28083.91	<u>î</u>	3803.47	2.6292	0.0303	0.0	0.0	1.86E-05	7.21E-04	7.570-03	3.81F-02
	5	3	· 53	54	11850.23	1	3803.55	2.6291	0.0303	6.83E-05	1.19E-02	1.32F-01	4 - 96E-01	1.105 00	1.815 00
	9	<del> 7.</del>	115	114	36989.44	1	3803.63	2.6291	0.0303	0.0	0.0	7.0	5.24F-06	1.29F-04	1.20=-03
	5	3	42	43	9576.89	2	3804.34	2.6286	0.0303	1.57E-05	9.16F-04	5.87F-03	1.59F-02	2.82F-02	3.98F-02
60	3	1	66	67	10694.85	1	3804.54	2 • 6284	0.0303	1.24F-04	1.24E-02	1.04F-01	3.31E-01	6.565-01	1.00F 00
339	12	10	27	26	21472.84	1	3804.66	2.6284	0.0398	0.0	6.10F-06	6.80E-04	1.026-08	5.68E-02	1.815-01
	2	0	72	73	10205.84	. 1	3804.98	2.6281	0.0303	8.76F-05	6.95F-03	5.19E-02	1.54F-^1	2.916-01	4.29F-01
	12	10	67	66	27857.12	1	3804.99	2.6281	0.0303	0.0	0.0	2.14F-05	8.04F-04	8.27F-03	4.005-02
	11	9	š-	4	18376.90	ī	3805.42	2.6278	0.0514	0.0	1.63E-05	8.63E-04	8.28F-03	7.43F-02	8.86F-02
	2	.0	63	64	7548.79	2	3805.54	2.6277	0.0303	3.77E-05	8.33F-04	3.29F-03	6.63F-03	9,705-03	1.195-02
	8	6	29	30	14148.75	1	3805+86	2.6275	0.0340	4.46E-06	2.34E-03	4.51E-02	2.36F-01		1.26F 00
	10	8		9	16568.71	1	3806.04	2 • 6274	0.0624	0.0	1.26E-04	4.32F-03	3.20F-02	1.4115-01	2+54E-01
	12	10	28	27	21566.74	1	3806.14	2 • 6273	0.0379	0.0 -	5.81E-76	6.625-04	1.01E-72	5.65F-02	1.825-01
	11	9	89	88	31788.87	1	3806.20	2.6273	0.0303	0.0	0.0	1.585-06	1.05E-04	1.57F-13	1.02F-02
	8	6	14	15	12615.09	2	3806.24	2+6273	0.0597	0.0	5.73€-05	7.61F-04	3.186-03	7.57=-03	1.325-02
	12	10	66	65	27633.50	1	3806.49	2 • 6271	0.0303	0.0	0.0	2.46E-05	8.96E-04	_9.^1E-03	4.30F-02
	10			102	34456.93	. 1	3807.17	2.6266	0.0303	0.0	0.0	0.0	2.35F-05	4.545-04	3.53F-03
2 <del></del>	9.		19	20	15204.01	_ ,	3807.48	2.6264	0.0535	0.0	7.78E~04	1.93E-02	1.17E-^1	3.58F-01	7.44E-01
	12	10	29	28	21664.07	1	3807.55	2 • 6264	0.0359	0.0	5.50E~06	6.42F-04	9.89F-03	5.61F-02	1.82F-01
٠	12	10	65	64	27413.06		3807.92	2.6261	0.0303	0.0	7.0	2-82E-05	9 • ?5E _ ^4	9.80F-03	4.705-02
	7	2	49	50	8733.79	2	3807.94	2.6261	0.0303	3.51E-05	1.37E-03	7.18E-03	1.725-02	5 • 85E-05	3.76E-02
·	<del>'3</del> -	<u> </u>	56	<u>25</u> 57	11366.95 8057.01		3808.10	2.6260	0.0437	1.61E-06	2.23E-04	2.19E-03	7.67F-03	_1.62E-02_	2.58F-02
	11	4	20		18394.55	2	3808.32	2+6258	0.0303	5.05E-05	1-43F-03	6.35E-13	1.38F-02	2.12E-02	2.69F-02
)	'-;	<del></del>	45	46	12390.96	1	3808.53	2.6257 2.6255	0.0617		1.93F-05	1.03E-03	9.896-03	4 - 10F-02	1.06F-01
	12	10	30	29	21764.84	1	3808.89	2.6255	0.0303 0.0340	4.21E-05	9.52E-03 5.19F-06	1.20F-01	4.88F-01	1.14F 00	1.955 00
å		4-	33	34	10334.05	· - <del>2</del>	3808.92	2.6254	0.0321	6.56E-06	5.52F-04	6.21E-04	9.70F-03	5.56F-92	1.81F-01
	ğ		114		36615.54	1	3809.01	2+6254	0.0303	0.0	0.0	4.24E-03 0.0	1.28F-02 6.41E-06	2.44F-02	7.635-02
7	12	10	64	63	27195.80	<del></del> -	3809.26	2.6252	0.0303	C = 0	0.0		W~WW~~~~	_1.53F-04	1.386-03
	4	2	59	60	11086.05	i	3809.34	2.6251	0.0303	1.31E-04	1.58E-02	3.23E-05 1.46E-01	1 • 10F = 13 4 • 92F = 11	1.06F-02 1.01F 00	5•03E-02 1•59E-00
			88	87	31495.00	- <del>-[</del> -	3809.45	2.6251	0.0303	0.0	0.0	1.935-06	1.225-04	1.785-03	1.13E-02
	7	5	37	38	13158.27	ī	3809.61	2.6249	0.0303	1.69E-05	5.52E-03	8.38E-02	3.806-01	9.535-01	1.72F 00
	12	-10 -	31	30	21869.04	<u>î</u>	3810.15	2.6246	0.0335	0.0	4.89F-06	5.99F-04	9.50E-03	5.50E-02	1.81F-01
_	10	8	7	8	16536.64	1	3810.16	2.6246	0.0623	0.0	1 • 1 6F-04	3.95F-03	2 • 91 F-02	1.015-01	2.305-01
·	12	10	63	62	26981.75	1	3810.53	2.6243	0.0303	0.0	0.0	3.68E-05	1.22F-03	1.15F-32	5.37E-02
	5	3	41	42	9424.83	2	3810.54	2.6243	0.0303	1-91E-05	1.04E-03	6.42E-03	1.70F-02	2.97F-02	4 • 16E-02
·	8	6	13	14	12562.97	<u></u>	3810.62	2.6242	0.0604	0.0	5.65E-05	7.415-04	3.08F-03	7.28E-03	1.26F-02
	5	3	52	53	11652.14	1	3810.78	2.6241	0.0303	8.95E-05	1.425-02	1.50F-01	5.485-01	1.198 00	1.04E 00
							,								

				STATE		NUMBER	LENGTH	WIDTH			CM*GI	M-1		
				ENERGY		CM-1	MICRON	HZ	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
12	10	32	31	21976.67		3811.34	2.6237	0.0331	0.0	4.58E-06	5.76E-04	9.28E-03	5.43F-02	1.79F-01
8	6	28	29	14040.35	1	3811.45	.2.6237	0.0359	5.06E-06	2.53F-03	4.74F-02	2.44E-01	6+66F-01	1.28E 00
	9_	7_	6_	18415.73	1	3811.57	2.6236	0.0620	0.0	2.22E-05	1.19F-03	1 • 15E-02	4.77F-02	1.23E-01
10		102	_	34119.43	1	3811.57	2.6236	0.0303	0.0	0.0	0.0	2.80E-05	5.26F-04	3.99F-02
12	10	- 62	61	26770.90	1	3811.72	2.6235	0.0303	0.0	0.0	4.19E-05	1.35F-03	1.25E-02	5.73E-02
. 9	7	18	19	15132.20	1	3812.38	2+6230	0.0552	0.0	7.95F-04	1.94E-02	1.17E-01	3.54E-01	7.32F-01
	.10.	_33_	32	22087.72		3812.46	2.6230	0.0326	0.0	4.27E-06	5.52F-04	9.03E-03	5.34F-02	1.78E-01
11	9	87	86	31204.08	1	3812.63	2.6229	0.0303	0.0	0.0	2.34E-06	1.425-04	2.01F-03	1 • 25E-02
	-:-	65_	66	10446.99	1	3812.64	2.6229	0.0303	1.74E-04	1.55F-02	1.23E-01	3.77F-01	7.37E-01	1.10E 00
12	10	61	60	26563.26	1	3812.82	2.6227	0.0303	0.0	0.0	4.76F-05	1.48E-03	1.35E-02	6.10E-02
. <u> </u>	5	<u>62</u> 23	<u>63</u>	7319.43		3813.06	2.6226	0.0303	5.17E-05	1.02F-03	3.82E~03	7.47E-03	1.07F-02	1.295-02
,				11279.49	2	3813.14	2.6225	0.0457	1.77F-06	2.34F-04	2.25F-03	7.78E-03	1.63F-02	2.596-02
12	10	71 34	72.	9934.75	1	3813.48	2.6223	0.0303	1.28F-04	8.92E-03	6.258-02	1.78E-01	3.28F-01	4.75F-01
12	10	60	33 59	22202.19 26358.85	1	3813.50	2.6223	0.0321	0.0	3.97F-06	5.27E-04	8.77F-03	5.24E-02	1.76E-01
10	8		7.29.	16508.13		3813.85	2.6220	0.0303	0.0	. 0 • 0	5.38E-05	1 • 63 = - ^3	1.455-02	6.4RE-07
10		113		36244.30	:	3814.21	2.6218	0.0620	0.0	1.05E-04	3.54E-03	2.605-02	9.00F-02	2.055-01
12	10	-35	34-	22320.07	- 1	3814.31	2.6217	0.0303	0.0	0-0	0.0	7.82E-06	1.8CF-04	1.58E-03
11	9	8	7	18440.43	•		2.6216	0.0317	0.0	3.67E-06	5.01E-04	8.496-03	5.13F-02	1.74F-01
6	4	32	33	10214.39	<u>-</u>	3814.53	2.6216	0.0623	0.0	2.49F-05	1.34F-03	1.30F-02	5.4 <u>15-02</u>	1.40E-01
Ã	3	48	49			3814.54	2.6215	0.0326	7.59E-06	6.03E-04	4.51F-03	1.33E-02	2.525-05	3.72F-02
	~, <del>%</del> -	59	58	8556.07		3814.59	2.6215	0.0303	4.46F-05	1+60F-03	8.04E-03	1.87E-02	3.02F-05	3.98F-02
8	6	12	13	26157.68 12514.32	7	3814.81	2.6214	0.0303	0.0	0.0	6.096-05	1.79F-03	1.565-02	6+89F-02
12	10	36	35	22441.36		3814.94	2.6213	0.0610	0.0	5.52E-05	7.16E-04	2.95E-03	6.95E-03	1.20F-02
.~	1	55	56	7853.51	7	3815.35	2.6210	0.0312	0.0	3.38E-06	4.75E-04	8.19E-03	5+01F-02	1.71E-01
···		44	45	12222.92	<del></del>	3815.41	2.6209	0.0303	6.68F-05	1.71E-03	7.25E-03	1 <u>. 5</u> 3E-02	2.30F-02	2.89E-02
12	10	58	57	25959.75	•	3815.51 3815.68	2.6209	0.0303	5.26E-05	1.10F-02	1.33F-01	5 • 28E-01	1.21F 00	2.05E 00
i i-	·	- 86	85	30916-14	<b></b>	3815.71	2.6208	0.0303	0.0	0.0	6.87E-05	1.96E-03	1.68F-02	7.31E-02
7	ś	36	37	13020.16	1	3815.76	2.6207	0.0303	0.0	0.0	2.83E-06	1.65E-04	2.27E-03	1.396~02
10		101		33784.73		3815.87	2.6207	0.0308	2.01F-05	6.16F-03	9.04E-02	4.02E-01	9.95E-01	1.78F 00
12	10	37	36	22566.05	1	3816.17	2.6206 2.6204	0.0303	0.0	0.0	0.0	3.35E-05	6.07F-04	4.51F-03
TOTAL CONTRACTOR (CO.)	-10,	`ĕ7"	56	25765.06		3816.47	2.6202	0.0308		3-10F-06_	4 • 4 9E - 0 4	7.88E-03	4.88E-02	1.68E-0
5	3	40	41	9276.23	ž	3816.68	2.6201	0.0303	0.0	0.0	7.73E-05	2.15E-03	1.81F-02	7.74F-02
12	10	38	37	22694.13		3816.91	2.6199	0.0303	2-32E-05	1•17E-03_	7.01E-03	1.81E-02.	3.13E-02	4.33F-02
4	2	58	59	10864.87	1	3816.98	2.6199	0.0303 0.0303	0.0	2.83F-06	4-23E-04	7.56E-03	4.74E-02	1.65F-01
8		27	28	13935.53	<mark>;</mark>	3816.99	2.6199	0.0379	1 • 78E-04	1.93E-02	1 •69F-01	5.52E-01	1.11F 00	1.72E 00
12	10	56	55	25573.64	ī	3817.19	2.6197	0.0303	5.71E-06 0.0	2.71F~03	4.96E-02	2.51F-01	6.80E-01	1.30F ^0
<u>-</u> -	7	17	18	15063.96	~ <del>1</del> ~~	3817.22	2.6197	0.0568	0.0	2.095-00	8.67E-05	2.34E-03	1.94F-02	8-19F-02
11	9	9	8	18468.66	ī	3817.43	2.6196	0.0624	0.0	8.085-04	1.94E-02	1.16E-01	3.486-71	7-17F-0
	~10~	<del>-3</del> 5,	38	22825.61	` <u>i</u>	3817.57	2.6195	0.0303	0.0	2.74E-05	_ 1 •4 9E - 03	1 • 45E~02	6.04F-02	1.57E-0
12	10	55	54	25385.48	1	3817.83	2.6193	0.0303	0.0	2.58E-06 0.0	3.98E-04	7.24E-03	4.59F-02	1+61F-21
5	3	51	52	11457.59	<u>ī</u>	3817.95	2.6192	0.0303	1 17E-04		9.70E-05	2 • 55E-03	2.07F-02	8 65E-02
7	5	22	23	11195.50	2	3818.12	2.6191	0.0476	1.92E-06	1.69E-02	1.70F-01	6.04E-01	1.29F 00	2.07F 00
	10	40	739	22960.48	· · · · · · · · · · · · · · · · · · ·	3818.16	2.6191	0.0303	0.0	2.44E-04 2.34E-06	2-31E-03	7.87F-03	1.63E-02	2.58F-1
10	8	5	6	16483.18	i	3818.19	2.6190	0.0617	0.0	9.22E-05	3.725-04	6.91F-03	4.44E-02	1.57E-01
	~io~	54	53	25200.61		3818.39	2.6189	0.0303	0.0	0.0	3.11F-03 1.08F-04	2.27E-02	7.84E-02	1.78E-01
12	10	41	40	23098.72	1	3818.67	2.6187	0.0303	0.0	2•11E-06			2.21F-02	9-12E-02
11	- 9	é5	84	30631.19	· i	3818.72	2.6187	0.0303	2.0	20115-00	3-47F-04	6.58E-03	4.29E-02	1.53E-01
12	10	53	52	25019.01	ī	3818.88	2.6186	0.0303	0.0		3.41F - 06	1.91E-04	2+56E-03	1.537-02
	10	42	41	23240.34	- ina	3819.11	2.6184	0.0303	0.0	0.0 · 1.90E-06	1.20F-04	3.01E-03	2.35F-02	. 9.59F-02
12								4 4 4 7 7 4 4	V • V	10 405-00	3 . 2 3E - 0 4	6.25E-03	4.136-92	1.49E-01
12	6	11	12		2	3819-19	2.6184	0.0617	0.0	6.345-05	4 00- 01			
	_6.		12 51	12469.13	2 1 · ·	3819.19	2.6184	0.0617	0.0	5.34E-05	1.34E-04	2.81E-03 3.25E-03	6.59F-03 2.50E-02	1.14F-02 1.01E-01

VU VE JU JE	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORI		EFFICIENT *	*****
	ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	000s = F	T = 2500	T = 3000	T = 3500
9 7 112 111	35875.71	1	3819.53	2.6181	0.0303	0.0	0.0	0.0	9.53E-06	2.11F-04	1.81F-03
12 10 51 50	24665.70	· <del>i</del> -	3819.61	2.6181	0.0303	0.0	0.0	1.48E-04	3.51E-03	2.66E-02	1.06E-01
8 6 122 121	37951.65	1	3819.67	2.6180	0.0303		0.0	0.0	S.60E-06	7. 04E-05	6.95E-04
12 10 44 43	23533.68		3819.76	2.6180	0.0303	0.0	1.52E-06	2.77E-04	5.59E-03	3.80F-02	1.40E-01
12 10 50 49	24494.01	1									
12 10 45 44	23685.38		3819.86	2.6179	0.0303	0.0	0.0	1 • 63E-04	3.78E-03	2.81E-02	1.11E-01
		•	3819.96	2.6178	0.0303	0.0	1.355-06	2.56E-04	5.27E-03	3.63F-02	1.35F-01
12 10 49 48 10 8 100 99	24325.62		3820.04	2.6178	0.0303	0.0	0.0	1.80E-04	4.06E-03	2.97E-02	.1 • 1 5E -0 1
	33452.85	-	3820.10	2.6177	0.0303	0.0	0.0	0.0	3.98E-05	7.01F-04	5.098-03
$\frac{12}{6}$ $\frac{10}{4}$ $\frac{46}{31}$ $\frac{45}{32}$	23840.43	‡	3820.10	2.6177	0.0303	0.0	1.20E-06	2.35E-04	4.96F-03	3.47F-02	1.30E-01
	10098.21	2	3820.11	2.6177	0.0331	8.73E-06	6.56E-04	4.77E-03	1.39E-02	2.59E-02	3.80F-02
12 10 48 47	24160.56	1	3820.13	2.6177	0.0303	0.0	0.0	1.97E-04	4 • 35E-03	3.14E-02	1.20E-01
12 10 47 46	23998.83	1	3820.15	2.6177	0.0303	,0.0	1.06E-06	2.165-04	4.65E-03	3.30E-02	1 • 25E-01
11 9 10 9	18500.42		3820.26	2.6176	0.0624	0.0	2.97E-05	1.62E-03	1.59E-02	6.65E-02	1.73F-01
2 0 61 62	7093.47	2	3820.53	2.6174	0.0303	7.06E-05	1.26E-03	4.44E-03	8.39E-03	1.18E-02	1.40E-02
3 1 64 65	10202.62	<u>!</u>	3820.68	2.6173	0.0303	2.45E-04	1.94E-02	1.45E-01	4.29E-01	8-11E-01	1.20E 00
4 2 47 48	8381-80	2	3821.18	2.6170	0.0303	5.64E-05	1.86E-03	B-96E-03	2.04E-02	3.23E-02	4.21E-02
11 9 84 83	30349.24	!	3821.65	2.6167	0.0303	0.0	0.0	4.11E-06	2.21E-04	2.88F-03	1.69F-02
7 5 35 36	12885.61	1	3821.85	2.6165	0.0312	2.38E-05	6.84E-03	9.73E-02	4.24E-01	1.04E 00	1.84E 00
2 0 70 71	9667•11		3821.91	2.6165	0.0303	1.86E-04	1 • 1 4E-02	7.49E-02	2.05E-01	3.69E-01	5.25E-01
₩ 9 7 16 17 10 8 4 5	14999.30	1	3821.98	2.6164	0.0585	1.03E-06	8-16E-04	1.93E-02	1 - 1 4E-01	3.41E-01	6.99E-01
	16461.79	1	3822.10	2.6164	0.0614	0.0	7.87E-05	2.64E-03	1.92E-02	6.63E-02	1.50F-01
6 4 43 44	12058.43		3822.15	2.6163	0.0303	6.54E-05	1.26E-02	1.47E-01	5.70E-01	1.29E 00	2.16E 00
3 1 54 55	7653.44	2	3822.44	2+6161	0.0303	8.79E-05	2.04E-03	8+26E-03	1.69E-02	2.50E-02	3.10E-02
8 6 26 27	13834.28	1	3822.45	2.6161	0.0398	6 +41E-06	2.90E-03	5.17E~02	2.58E-01	6.92E-01	1.31F 00
5 3 39 40	9131.08	_2	3822.76	2.6159	0.0303	2.80E-05	1.325-03	7.62E-03	1.93E-02	3.29E-02	4.51E-02
11 9 11 10	18535.70	1	3823.01	2.6157	0.0625	0.0	3.18E-05	1.75E-03	1.725-02	7.23E-02	1.89E-01
7 5 21 22	11114.98	2	3823.03	2.6157	0.0496	2.07E-06	2.53E-04	2.35E-03	7.92E-03	1.63E-02	2.566-02
8 6 10 11	12427.41	2	3823.38	2.6155	0.0625	0.0	5.12F-05	6.51E-04	2+65E-03	6.19E-03	1.06E-02
10 8 99 98	33123-80	1	3824.23	2.6149	0.0303	0.0	0.0	0.0	4.74E-05	8.07E-04	5.73E-03
11 9 83 82	30070.30	1	3824.49	2.6147	0.0303	0.0	0.0	4.93E-06	2.556-04	3-24E-03	1.87F-02
4 2 57 58	10647-20		3824.56	2.6147	0.0303	2.40E-04	2.35E-02	1.96E-01	6.18E-01	1.22E 00	1 • 86E 00
9 '7 111 110	35509.81	1	3824.65	2.6146	0.0303	0.0	0.0	00	1 • 1 6E-05	2.48E~04	S+08E-03
5 3 50 51	11266.57	_ 1	3825.06	2.6143	0.0303	1.51E-04	2.00E-02	1.92E-01	6.65E-01	1.39E 00	2.21E 00
6 4 30 31	9985.50	2	3825.61	2.6140	0.0335	9.98E-06	7-11E-04	5.03E-03	1.44E-02	2.66E-02	3.87E-02
8 6 121 120	37555.49	1	3825.63	2.6139	0.0303	0.0	0.0	0+0	3.21E-06	8.37E-05	8.05E-04
11 9 12 11	18574:50	1	3825.69	2.6139	0.0617	0.0	3.36E-05	1.87E-03	1.84E-02	7.78F-02	2.04E-01
10 8 3 4	16443.96	1	3825.95	2.6137	0.0611	0.0	6.43E-05	2.15E-03	1.56E-02	5.37E-02	1 • 22E-01
9 7 15 16	14938-22	1	3826.68	2.6132	0.0591	1.07E-06	8.18E-04	1.90E-02	1 - 1 1 E-01	3.32E-01	6.78F-01
11 9 82 81	29794.40	- <u>- I</u>	3827.25	2.6128	0.0303	0.0	0.0	5.91E-06	2.94E-04	3.63F-03	2.05E-02
8 6 9 10	12389.16	2	3827.51	2.6127	0.0624	0.0	4 • 85E-05	6 • 1 1E-04	2.47E-03	5.76E-03	9.87E-03
4 2 46 47	8210.98	2	3827.71	2.6125	0.0303	7.09E~05	2.16E-03	9.97E-03	2.21E-02	3.45E-02	4-44E-02
8 6 25 26	13736.61	1,	3827.85	2.6124	0.0418	7 • 1 3E-06	3.08E-03	5.37E-02	2.65E-01	7.02E-01	1.32E 00
7 5 34 35	12754.63	. 1	3827.87	2.6124	0.0317	2.81E-05	7.57E-03	1.04E-01	4 - 46E-01	1.08E 00	1.90F 00
7 5 20 21	11037.95	2	3827+89	2.6124	0.0515	2+22E-06	2.62E-04	2.38E-03	7 • 95E-03	1.63F-02	2.54E-02
2 0 60 61	6870.93	2	3827.94	2.6124	0.0303	9.60E-05	1.53E-03	5.14E-03	9.42E-03	1.29E-02	1.526-02
10 8 98 97	32797.60	1	3828.29	2.6121	0.0303	0.0	0.0	0.0	5.62E-05	9.28F-04	6.44F-03
11 9 13 12	18616.82	1	3828.30	2.6121	0.0610	0.0	3.51E-05	1.97E-03	1 . 96E-02	8.315-02	2.18E-01
3 1 63 64	9961.74	1	3828.66	2.6119	0.0303	3.42E-04	2.41E-02	1.70E-01	4.87E-01	9.00E-01	1.31E 00
EA 24 A B	11897.51	1	3828.72	2.6118	0.0303	8.09E-05	1.45E-02	1.62E-01	6.14E-01	1.36E 00	2.26E 00
5 3 38 39	8989.41	2	3828.79	2.6118	0.0303	3.36E-05	1.48F-03	8.26E-03	2.05E-02	3.45E-02	4.68E-02
3 1 53 54	7456-80	2	3829.42	2.6114	E0E0•0	1.15E-04	2.43E-03	9.39E-03	1.87E-02	2.71F-02	3.32F-02
9 7 110 109	35146.60	1	3829.69	2.6112	0.0303	0.0	0.0	0.0	1.41E-05	2.91E-04	2.38E-03
10 6 2 3	16429.71				0.0609						

CARBON MONOXIDE

VU	VL.	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATI	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		C#-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
11	9		80	29521.54	1	3829.93	2.6110	0.0303	0.0	0.0	7.07E-06	3.37F-04	4.07F-03	2.26F-02
2	0		70	9402.94	1	9830.29	2.6108	0.0303	2.69F-04	1.45E-02	8.96E-02	2.37E-01	4.14F-01	5+79F-01
11	9		13	18662.66		3830.84	2.6104	0.0604	0.0	3.63E-05	2.07E-03	2.07E-02	8.80E-02	2.32E-01
6	4		30	9876.27	2	3831.06	2.6102	0.0340	1 • 1 3E~05	7.66E-04	5.28F-03	1.49F-02	2.73F-02	3.93E-02
9			15	14880.71	1	3831.31	2.6101	0.0597	1.09E-06	8 • 1 4E-04	1.87E-02	1 • 09E-01	3.22F-01	6.54E-01
8		120		37161.89	1	3831.51	2.6099	0.0303	0.0	0.0	0.0	3-96E-06	9.95E-05	9.32E-04
8	6		~ <u>~~</u>	12354.38	2	3831.57	2.6099	0.0624	9.0	4.54E-05	5.66E-04	2.28F-03	5.305-03	9.065-03
5	2		57	10433.05	1	3832.08	2.6095	0.0303	3.22E-04	2.85E-02	2.25F-01	6.90E-01	1.33E 00	S.00E 00
10	3		50	11079.09	1	3832.11	2.6095	0.0303	1.95E-04	2.35E-02	2.17E-01	7.29E-01	1.50E 00	2.35E 00
11	8 9		96	32474.26	1	3832.26	2.6094	0.0303	0.0	0.0	0.0	6-66E-05	1.075-03	7.24E-03
7	- 5		79	29251.72	1	3832.53	2.6092	0.0303	0.0	0.0	8 • 4 3E - 0 6	3.87E-04	4.55E-03	2.48E-02
			20	10964.39	2	3832.68	2.6091	0.0535	2.36E-06	2.69E-04	2.41E-03	7.94F-03	1.61E-02	2.51F-02
<u>8</u> 11	6		25	13642.53		3833.19	2.6088	0.0437	7.89E-06	3.26E-03	5.56E-02	2.70F-01	7.10E-01	1.33F 00
10	9		14 2	18712.02 16419.01	1	3833.31	2.6087	0.0597	0.0	3.73E~05	2.15F-03	2.16E-02	9.26F-05	2.45F-01
7	5		34	12627.23		3833.42	2.6086	0.0606	0.0	3.32E-05	1.10F-03	7.99F-03	2.74E-02	6.20F-02
4	2		46	8043.62	1	3833.83	2.6084	0.0321	3.29E-05	8.34E-03	1 • 1 2F - 0 1	4.68F,-01	1.12E 00	1.95E 00
9			108	34786.11		3834.18	2.6081	0.0303	8+87E-05	2.49E-03	1.10E-02	2.39E-02	3.68E-02	4.68F-02
5	3		38	8851.20	1 2	3834.65	2.6078	0.0303	0.0	0.0	0.0	1 • 71E-05	3.4 IE-04	2.72F-03
	5		~~~~~	28984.96	<u></u>	3834.75 3835.04	2.6077	0.0303	4.01E-05	1.65F-03	8.92E-03	2.17F-02	3.60E-05	4.84E-02
34 11 42 6	4		42	11740.14	î	3835.23	2.6075	0.0303	0.0	0.0	1.00E-05	4.43E-04	5.08E-03	2.72E-02
2	<del>-</del>		60	6651+80	- <u>-</u> -	3835.29	<del></del> -	0.0303	9.95E-05	1.65E-02	1.78F-01	6.59E-01	1.44E 00	2.37E 00
8	6		8	12323.08	2	3835.57	2.6074 2.6072	0.0303 0.0623	1.30E-04	1.87E-03	5.94F-03	1 • 05E-02	1.42F-02	1.645-02
11	<del>-</del> 9		15	18764.90	1	3835.71	2.6072		0.0	4-17F-05	5-17E-04	2.08F-03	4 • 80F - 03	8.19F-03
9	7		14	14826.79	i	3835.87	2.6070	0.0591 0.0604	0.0 1.10E-06	3.81E-05	2.22E-03	2.25E-02	9.68E-02	2.57E-01
10	<u>-</u>		95	32153.80	<del>-</del>	3836.15	2.6068	0.0303	0.0	8.04E-04 0.0	1.82E-02	1,•05E-01	3.09E-01	6.27F-01
3	ī		53	·7263.61	ž	3836.33	2.6067	0.0303	1.50E-04	2.89E-03	1.13F-06	7.87E-05	1.22F-03	8.12F-03
6	4		29	9770.52		3836.44	2.6066	0.0359	1.285-05	8.24E-04	1.06E-02 5.54E-03	2.06E-02	2.94F-02	3.54F-02
3	1	62	63	9724.36	1	3836.58	2.6065	0.0303	4.74E-04	2.99E-02		1.54F-02	2.79E-02	3.99E-02
10	8			16411.88	<del></del>	3837.06	2.6062	0.0603	0.0	1.68F-05	1.99E-01 5.57E-04	5 - 51E-01	9.96E-01	1.47F 00
8	6	119	118	36770.87	ī	3837.29	2.6060	0.0303	0.0	0.0	0.0	4.03E-03	1.38E-02	3.12E-02
7	5		19	10894.32	2	3837.41	2.6059	0.0552	2.49E-06	2.75E-04	2.42E-03	4.90E-06	1.18F-04	1.08F-03
11	9		77	28721.29	1	3837.48	2.6059	0.0303	0.0	0.0	1.19E-05	7.89E-03 5.07E-04	1.595-02	2.46E-02
11	9	17	16	18821.29	i -	3838.03	2.6055	0.0585	0.0	3.85E-05	2.27E-03	2.33E-02	1.01E-01	2.97F-02
8	6	23	24	13552.03	1	3838.46	2.6052	0.0457	8.68F-06	3.43E-03	5.72E-02			2.68E-01
2	0		69	9142.25	1	3838.60	2.6051	0.0303	3.87E-04	1.84E-02	1.07E-01	2.75E-01 2.72E-01	7-16E-01 4-64F-01	1.33E 00 6.38E-01
5	3	48	49	10895.17	1	3839.10	2.6048	0.0303	2.50E-04	2.76E-02	2.44E-01	7.98E-01	1.61E 00	2.50E 00
8	6		7	12295.25	2	3839.50	2.6045	0.0620	0.0	3.77E-05	4.64E-04	1.85E-03	4.28F-03	7.29E-03
9		108	107	34428.34	1	3839.52	2.6045	0.0303	0.0	0.0	0 a n	2.07E-05	3.99E-04	3.10E-03
4	2	<b>~~</b> 55	56	10222.44	1	3839.53	2.6045	0.0303	4.30E-04	3.45E-02	2.59E-01	7.69E-01	1.46E 00	2.15E 00
7	5		э3	12503.41	1	3839.73	2.6043	0.0326	3.836-05	9.15E-03	1.195-01	4 - 90E-01	1.16E 00	2.00E 00
11	9	77	76	28460.70	ī	3839.83	2.6043	0.0303	0.0	0.0	1.41E-05	5.78E-04	6.29E-03	3-25E-02
10,	8		94	31836.23	1	3839.95	2.6042	0.0303	0.0	0.0	1.39E-06	9.285-05	1.40E-03	9.09E-03
11	9		17	18681.18	1	3840.28	2.6040	0.0568	0.0	3.87E-05	2.32E-03	2.39E-02	1.04E-01	2.79E-01
9	7		13	14776.45	1	3840.37	2.6039	0.0610	1-115-06	7.87E-04	1.76E-02	1.01E-01	2.96E-01	5.98E-01
4	2		45	7879.72	2	3840.59	2.6038	0.0303	1 - 10E-04	2.86E-03	1.22E-02	2.59E-02	3.91E-02	4.92E-02
5	3		37	8716.48	2	3840.65	2.6037	0.0308	4.75E-05	1.84E-03	9.61E-03	2.29F-02	3.76E-02	5.01E-02
6	4	•	41	11586.35	1	3841.67	2.6030	0.0303	1.22E-04	1.87E-02	1.95E-01	7+06E-01	1.52F 00	2.47E 00
6	4		28	9668.25	2	3841.76	2.6030	0.0379	1.44E-05	8.83E-04	5.79E-03	1.59E-02	2.84E-02	4.05F-02
7	5		18	10827.74	2	3842.07	2.6028	0.0568	2.61E-06	2.79E-04	2.41E-03	7-81E-03	1.57F-02	2.415-02
11.	9		75	28203.20	1	3842.10	2.6027	0.0303	0.0	0.0	1.66E-05	6.57E-04	6.99E-03	3.54E-02
11	9	19	18	18944.59	1	3842.46	2.6725	0.0552	0.0	3.86E-05	2.35E-03	2.45F-02	1.07F-01	2+88E-01
2	0	58	59	6436.11	2	3842.59	2.6024	0.0303	1.75E-04	2.27E-03	6.85E-03	1 - 18E-02	1.55E-02	1.775-02

	····						MOLECULA	R LINE PAR	RAMETERS FOR	R DIATOMIC M	OLECULES		•		
·													<del></del> .		
	VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATE	ED ** ABSOR CM*G		EFFICIENT *	****
					ENERGY			MI CRON	H2	T = 1000	T = 1500 '	T = 2000	T = 2500	T = 3000	T = 3500
	8	6	118	117	36382.44	1	3842.99	2.6021	0.0303	0.0	0.0	0.0	6.04E-06	1.41E-04	1.25E-03
	3	1	51	52	7073.87	2	3843.19	2.6020	0.0303	1 • 94E~04	3.41E-03	1.20E-02	2.27E-02	3.17F-02	3.77E-02
	8	6	5	6	12270.90	2	3843.37	2.6019	0.0617	0.0	3.32E-05	4.07E-04	1 +62E-03	3.73E-03	6.34E-03
•	8	6	22	23	13465.12	1	3843.66	2.6017	0.0476	9.47E-06	3.59E-03	5.87E-02	2.78E-01	7-19E-01	1.33E 00
	10	8	94	93	31521.56	1	3843.67	2.6017	0.0303	0.0	0.0	1.72E-06	1.09E-04	1.60E-03	1.02E-02
	10	8	1	0	16408.32		3844.12	2.6014	0.0603	0.0	1.70E-05	5.64E-04	4.08E-03	1.40E-02	3.16E-02
	9		107		34073.32	1	3844.30	2.6013	0.0303	0.0	0.0	0.0	2.50E-05	4.66E-04	3.53E-03
	11	9	75	74	27948.82	1	3844.30	2.6013	0.0303	0.0	0.0	1.96E-05	7.47E-04	7.75E-03	3.86E-02
	3_	1_	61	62	9490.49	1	3844.44	2.6012	0.0303	6.55E-04	3.69E-02	2.33E-01	6 • 55E-01	1.10E 00	1.55E 00
	11	9	20	19	19011.50	1	3844.56	2.6011	0.0535	0.0	3.83E-05	2.37E-03	2.49E-02	1.19E-01	2.96E-01
	9	7	11	12	14729.70	1	3844.80	2.6009	0.0617	1.10E-06	7.64E-04	1.69E-02	9.61E-02	2.81E-01	5.65E-01
	7	5	31	32	12383-18	1	3845.56	2.6004	0.0331	4.43E-05	9.99F-03	1.26E-01	5.11E-01	1.19E 00	2.04E 00
	5_	3_	47	48	10714.80	1'	3846.02	2.6001	0.0303	3.19E-04	3.23F-02	2.73E-01	8.71E-01	1.73E 00	2.65F 00
	11	9	74	73	27697+55	1	3846.41	2.5998	0.0303	0.0	0.0	2.30E-05	8.46E-04	8.57E-03	4.20E-02
	<u>5</u> 11	<u>3</u>	35	36	8585.23	2	3846.49	2,5998	0.0312	5.60E-05	2.04E-03	1.03E-02	2.42E-02	3.91E-02	5.16E-02
		-	21	20	19081.91	1	3846.60	2.5997	0.0515	0.0	3.78E-05	2.38E-03	2.53E-02	1.125-01	3.04F-01
<del></del>	7 2	5	16 67	17	10764-64	2	3846.68	2.5996	0.0585	2.71E-06	2.81E-04	2.40E-03	7+69E-03	1.535-02	2.35E-02
			67 <del>5</del> 4		8885.04	1	3846486	2.5995	0.0303	5.53E-04	2.33E-02	1.27E-01	3.12E-01	5 • 20E-01	7.01E-01
	<del>4</del> -	2	43	55 44	10015+37	<u>-i</u>	3846.93	2.5995	0.0303	5.72E-04	4-15E-02	2.96E-01	8 • 55E-01	1.59E 00	2.32E 00
343	6	4	26	27	7719.30 9569.48	2	3846.95	2.5995	0.0303	1.36E-04	3.27E-03	1.35F-02	2.78E-02	4.146-02	5.16E-02
	8		4	<del></del>	12250.03	2	3847.02	2.5994	0.0398	1.61E-05	9.41E-04	6.03E-03	1.63E-02	5.89E-05	4.09E-02
	10	8	93	92	31209.82	ī	3847.30	2.5993 2.5992	0.0614	0.0	2+84E-05	3.45E-04	1.37E-03	3.158-03	5.35E-03
	10	8	2	1	16411.88	<del>.i</del> -	3847.55	2.5992	0.0303	0.0	0.0	2.11E-06	1 • 29E-04	1.82E-03	1.14F-02
	6	4	39	40	11436.14	1	3848.05	2.5987	0.0303	1.48E-04	3.41E-05	1.13E-03	8-19E-03	2+81E-02	6.35E-02
<del></del>	<u></u>	<del></del>	73	72	27449.42	<del></del>	3846.44	2.5985	0.0303	0.0	0.0 0.0	2.13E-01 2.70E-05	7 • 54F-01	1.60F 00	2.58E 00
	11	ģ	22	21	19155.82	i	3848.56	2.5984	0.0303	0.0	3.71E-05		9.58E-04	9.47E-03	4.56E-02
	· <u>ē</u>		117		35996.63	i	3848.60	2.5983	0.0303	0.0	0.0	2.37E-03 0.0	2.55E-02 7.44F-06	1-14E-01	3.10E-01
	8	6	21	55	13381.82	-	3848.79	2.5982	0.0496	1.03E-05	3.745,-03	5.99E-08	2.80F-01	1.67F-04 7.20E-01	1.45E-03
	9				33721.07	i	3849.00	2.5981	0.0303	0.0	0.0	0.0	3.01E-05	5.44E-04	1.32E 00
	9	7	.10	11	14686.54	ī	3849.16	2.5980	0.0625	1.08E-06	7.33E-J4	1.61E-02	9.07E-02	2.64F-01	4.02E-03
	. 2	0	57	58	6223.85	2	3849.83	2.5975	0.0303	2.34E-04	2.74E-03	7.89E-03	1 • 32E - 02	1.70E-02	5.30F-01 1.91E-02
	3	- 1	50	51	6887.58	2	3849.99	2.5974	0.0303	2.49E-04	4.02E-03	1.35E-02	2.49E-02	3.425-02	4.025-02
:	11	9	72	71	27204.43	ī	3850.39	2.5971	0.0303	0.0	0.0	3-16E-05	1.08F-03	1.04F-02	4.94E-02
	11	9	23	22	19233.23	1	3850.44	2.5971	0.0476	0.0	3.61E-05	2.36E-03	2 • 56E-02	1 • 15E-01	3-16E-01
11	10	8	92	91	30901.00	1	3850.86	2.5968	0.0303	0.0	0.0	2.59E-06	1.51F-04	2.08F-03	1.27E-02
	10	8	3	2	16419.01	1	3850.90	2.5968	0.0609	0.0	5.11E-05	1.70E-03	1.23E-02	4 • 23E-02	9.56E~02
0	8	6	3	4	12232.63	2	3850.91	2.5968	0.0611	0.0	2.32E-05	2.81E-04	1+11E-03	2.56E-03	4.33E-03
	7	5	15	16	10.705.04	2	3851.22	2.5966	0.0591	2.80F-06	2.81E-04	2.37E-03	7.53E-03	1.49E-02	2.28E-02
	7	5	30	31	12266.54		3851.32	2.5965	0.0335	5.09E-05	1.09E-02	1.33E-01	5.32E-01	1.23E 00	2.09E CC
	6	4	25	26	9474.20	2	3852.21	2.5959	0.0418	1.79E-05	9.98E-04	6.25F-03	1+66E-02	2.93E-02	4 - 1 2E - 0 2
<b>0</b> ———	3	1	60	61	9260.14	1	3852.24	2.5959	0.0303	9.00E-04	4.54E-02	2.71E-01	7.01E-01	1.21E 00	1+68E 00
7	11	_9_	24	23	19314.13	1	3852.26	2.5959	0.0457	0.0	3.51E-05	2.33E-03	2.56F-02	1 - 16E-01	3.20F-01
	11	9	71	70	26962.59	1	3852.26	2.5959	0.0303	0.0	0.0	3.68E-05	1.22E-03	1.15F-02	5.35E-02
A	5_	3	34	35	8457.48	2	3852+27	2.5959	0.0317	6.57E-05	2.25E-03	1.10E-02	2.54E-02	4.06E-02	5.31E-02
	5	3	46	47	10538.00	1	3852.88	2.5955	0.0303	4.04E-04	3.76E-02	3.05E-01	9.48E-01	1.85E 00	2.80E 00
5	4	2	42	43	7562.35	2	3853.24	2.5952	0.0303	1.68E-04	3.73E-03	1 -48F-02	2.99E-02	4.39E-02	5.40F-02
	9	7	9	10	14646.97	1	3853.45	2.5951	0.0624	1.04E-06	6.95E-04	1.51E-02	8.48E-02	2.46E-01	4.92E-01
¿	9		105		33371.58	1	3853.61	2.5950	0.0303	0.0	0.0	0.0	3+63E-05	6.33F-04	4.57E-03
	8	6	20	21	13302.10	1	3853.86	2.5948	0.0515	1 - 1 OE-05	3.87E-03	6.08E-02	2.82E-01	7.18E-01	1.31E 00
3	11	9	25	24	19398.52	1	3854.00	2.5947	0.0437	0.0	3.39E-05	2.30E-03	2.56E-02	1.17F-01	3.24E-01
	11	9	70	69	26723.91	1	3854.05	2.5947	0.0303	0.0	0.0	4.29E-05	1.37E-03	1.26F-02	5+79E-02
,	<u> </u>	6_	116	115	35613.45	1	3854.13	2/+5946	0.0303	0.0	0.0	0.0	9.15F-06	1.98E-04	1.67F-03

CARBON MONOXIDE

VIII	VĽ	JU	JL	LOWED	COOL	44.515								
***	V.		JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*******	** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
10	e	4	3	16429.71	1	3854.19	2.5946	0.0611	^ ^					
4	2		54	9811.84	i	3854.26	2.5945	0.0303	0.0 7.56E-04	6.79E-05	2.26E-03	1 - 64E-02	5.64E-02	1.28E-01
10	8		90	30595.13	î	3854.33	2.5945	0.0303		4.97E-02	3.38E-01	9.48E-01	1.73E 00	2.48E 00
6	4		39	11289.51	<u> </u>	3854.37	2.5945	0.0303	0.0 1.79E-04	0.0	3-17E-06	1 - 77E-04	2.36E-03	1.41F-02
8	6		3	12218.71	2	3854.59	2.5943	0.0609	0.0	2.39E-02	2.32E-01	8+03E-01	1.69E 00	2.68F 00
2	0		67	8631.33	1	3855.06	2.5940	0.0303	7.87E-04	1.77E-05 2.94E-02	2.14E-04	8.46E-04	1.94E-03	3.28F-0;
11	9		25	19486.39	1	3855.67	2.5936	0.0418	0.0	3.25E-05	1.51E-01 2.25E-03	3+57F-01	5.80E-01	7.69E-01
7	5	14	15	10648.93	2	3855.69	2.5936	0.0597	2.86E-06	2.80E-04	2.32E-03	2.54E-02	1.17E-01	3.27F-0
11	9	69	68	26488.41	1	3855.76	2.5935	0.0303	0.0	0.0	4.97E-05	7.32E-03	1.44F~02	2.20E-02
3	1	49	50	6704.76	2	3856.73	2.5929	0.0303	3.19E-04	4.72E-03	1.52E-02	1.54E~93	1.39E-02	6+25E-02
2	0	56	57	6015.03	2	3857.01	2.5927	0.0303	3.12E-04	3.31E-03	9.05E-03	2.72E-02	3-67E-02	4.26E-02
7	5	29	30	12153.49	1	3857.02	2.5927	0.0340	5.82E-05	1.18E-02	1.40E-01	1 • 47E-02 5 • 51E-01	1.85F-02	2.05F-01
11	9	27	26	19577.75	1	3857.26	2.5925	0.0398	0.0	3.11E-05	2.20E-03	2.51F-02	1.26F 00	2+12F 00
6	4	24	25	9382.42	2	3857.35	2.5925	0.0437	1.97E-05	1.05F-03	6.45E-03	1.70E-02	1 • 1 7E~01 2 • 96E-02	3-28E-01
11	9	68	67	26256.09	1	3857.39	2.5924	0.0303	0.0	0•0	5.76E~05	1.725-03		4 - 13E-0
10	8	5	4	16443.96	1	3857.40	2.5924	0.0614	0.0	8.42E-05	2.81E-03	2.05E-02	1 • 52E-02 7 • 04E-02	6.73E-0:
9	. 7	. 8	9	14610.99	1	3857.67	2.5922	0.0624	0.0	6.50E-04	1.40E-02	7.83E-02	2.26E-01	
10	8	90	89	30292.22	1	3857.71	2.5922	0.0303	0.0	7.0	3.87E-06	2.06E-04	2.68E-03	4.52E-01
	3	33	34	8333.21	2	3857.99	2.5920	0.0321	7.66E-05	2.47E-03	1 • 18E-02	2.66E-02	4.27E-02	5.45E-0
9	7	104	103	33024.89	1	3858.14	2.5919	0.0303	0.0	0.0	0.0	4.36F-05	7.36F-04	5 • 19E-0
8 2	6	1	2	12208.27	2	3858.20	2.5919	0.0606	0.0	1.20E-05	1.44E-04	5.70E-04	1.30E-03	2+21E-0
11	9	28	27	19672.59	1 -	3858.78	2.5915	0.0379	0.0	2.96E-05	2.14E-03	2.48E-02	1.16E-01	3.29E-0
	б		20	13225.99	1	3858.86	2.5914	0.0535	1 • 18E-05	3.98E-03	6.15E-02	2.82E-01	7 • 1 2F-01	1.29F 00
11	9	67	66	26026.96	1	3858.94	2.5914	0.0303	0+0	0.0	6.65E-05	1.92E-03	1.66F-02	7.24F-02
4	2		42	7408.88	2	3859.48	2.5910	0.0303	2.056-04	4.24E-03	1.625-02	3.21F-02	4.635-02	5.64F-12
8	6	115	114	35232.91	1	3859.57	2.5910	0.0303	0.0	0.0	0.0	1 • 12E-05	2.35E-04	1.92E-03
5	3		46	10364.77	1	3859.68	2.5909	0.0303	5.09E-04	4.36E-02	3.39E-01	1.03E 00	1.98E 20	2.96E 00
3	1		60	9033.32	1	3859.97	2.5907	0.0303	1.23E-03	5.57E-02	3.15E-01	7.88F-01	1.33E 00	1.82F 00
7	5		14	10596.32	2	386C.11	2.5906	0.0604	2.89E-06	2.76E-04	2.26E-03	7.08E-03	1.39E-02	2.11F-0:
11	9		28	19770.91	1	3860.22	2.5905	0.0359	0.0	2.80E-05	2.08F-03	2.44E-02	1.16E-01	3.29F-0
11	9		65	25801.04	1	3860.41	2.5904	0.0303	0.0	0.0	7.656-05	2 14E-03	1.81F-02	7.78F-9
10	8		5	16461.79	1	3860.54	2.5903	0.0617	0.0	9.99E-05	3.35E-03	2.44E-02	8.43E-02	1.91E-01
6	4		36	11146.46	1	3860.62	2.5903	0.0303	2.15E-04	2.68E-02	2.51E-01	8.53E-01	1.77E 00	2.78E 0
10	8		88	29992.29	1	3861.02	2.5900	0.0303	0.0	0.0	4.72E-06	2.41E-04	3.058-03	1.75F-0
4	2		53	9611.86	1	3861.53	2.5896	0.0303	9.93E-04	5.93E-02	3.85E-01	1.05E 00	1.88E 00	2.66E 00
11	9		29	19872.69	1	3861.60	2.5896	0.0340	0.0	2.64E-05	2.01E-03	2.39E-02	1.14E-01	3.28F-?
	6		1	12201.31	2	3861.74	2.5895	0.0603	0.0	6.05F-06	7.28E-05	2.87F-04	6.57F-04	1.11F-0
11	9		64	25578.32	1	3861.80	2.5895	0.0303	0.0	0.0	8.79F-05	2.38E-03	1.97E-02	8.34E-0
9			8	14578-61		3861.82	2.5895	0.0623	0.0	5.99E-04	1.28E-02	7.12E-02	2.05F-01	4.09E-01
6	4		24	9294.14	2	3862.42	2.5891	0.0457	2 • 16E-05	1-11F-03	6.64E-03	1.72E-02	2.98F-02	4.14F-02
9			102	32681.01	1	3862.59	2.5889	0.0303	0.0	0.0	0.0	5 • 23E - 05	8.54F-04	5.89E-03
7	5		29	12044.05	1	3862.65	2.5889	0.0359	6.62E-05	1.27E-02	1.48E-01	5.71E-01	1.29E 00	2.16F 00
11	🕏		_ <u>0E</u> _	19977.94		3862.89	2.5887	0.0335	0.0	2.48E-05	1.930-03	2.34E-02	1 - 1 3E-01	3.26E-01
11			63	25358.84	1	3863.12	2.5886	0.0303	0.0	0.0	1.01E-04	2.64E-03	2.14F-02	8.93E-02
2 3	_ •		66	8381-13		3863.19	2.5885	0.0303	1.11E-03	3.69E-02	1.78E-01	4.07E-01	6.46E-01	8 - 43E-01
	1	48	49	6525.41	2	3863.42	2.5884	0.0303	4 • 07E-04	5.51F-03	1.70F-02	2.97F-02	3.94E-02	4 .5 2F -0 2
10	8	7	6	16483.18	1	3863.62	2.5882	0.0620	0.0	1.15E-04	3.876-03	2.83E-02	9.79E-02	2.22F-01
	3		33	8212.45	2	3863.65	2.5882	0.0326	8.885-05	2.70E-03	1.25E-02	2.78E-02	4.34E-02	5.59F-02
8	6		19	13153.48		3863.80	2.5881	0.0552	1.25E-05	4.08E-03	6.19E-02	2.81F-01	7.04F-01	1.27E 20
.7			123	37006.34	1	3863.85	2.5881	0.0303	0.0	0.0	0.0	3.48E-06	8.606-05	7.98E-04
11	- 9	32	31	20086.64		3864-12	2.5879	0.0331	0.0	2.32E-05	1.86E-03	2.28E-02	1.125-01	3.24E-01
2 10	0		56	5809.67	2	3864.13	2.5879	0.0303	4 • 1 4E-04	3.98E-03	1.04E-02	1 • 63E-02	2.02E-02	2.20E-05
10	8	88	87	29695+34	1	3864.24	2 • 5878	0.0303	0.0	0 • 0	5.75F-06	2 +82F-04	3.46E-03	1.945-12

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE VÚ VL JU JL LOWER CODE WAVE WAVE HALF ****** INTEGRATED ** ABSORPTION ** COEFFICIENT ******* STATE NUMBER LENGTH HTGIW CM*GM-1 CM-1 ENERGY MICRON HZ T = 1000 T = 1500 T = 2000T = 2500 T = 3000T = 3500 25142.58 63 62 3864.35 2.5878 0.0303 1.15F-04 2.93E-03 2.32E-02 9.54E-02 1.3 10547.20 3864.46 2.5877 0.0610 2.89E-06 2.70E-04 2.19E-03 6.80E-03 1.335-02 2.01E-02 6 114 113 34855.04 3864.92 2.5874 0.0303 0.0 0.0 1.38E-05 2.77E-04 2.22E-03 33 32 20198.81 3865.26 2.5871 0.0326 0.0 2.16E-05 1.78E-03 2.22E-02 1-10E-01 3.21E-01 9 62 61 24929.57 3865.50 2.5870 0.0303 0.0 0.0 1.31E-04 3.23E-03 2.51F~02 1.02E-01 40 7258.90 3865.65 2.5869 0.0303 2.49E-04 4.80E-03 1.77E-02 3.43E~02 4.88F-02 5.89E-02 7 14549.82 3865.91 2.5867 0.0620 5.41F-04 1-15E-02 6.368-02 1.83E-01 3.64E-01 34 33 20314.43 3866.34 2.5864 0.0321 0.0 2.01E-05 1.70E-03 2.16E-02 1.08E-01 3.18E-01 10195.12 44 45 2.5864 3866.41 0.0303 6.38E-04 5.04F-02 3.77E-01 1 - 12E 00 2.11E 00 3.11E 00 61 60 24719.80 3866.58 2.5863 0.0303 0.0 0.0 1.49E-04 3.57E~03 2.71F-02 1.08E-01 16508.13 10 3866.62 2.5862 0.0623 1.29E-04 4.37E-03 3.21F-02 0.0 1.11E-01 2.53E-01 36 37 11007.02 3866.81 2.5861 0.0308 2.56E-04 2.995-02 2.71E-01 9.03E-01 1.85F 20 2.88E 00 7 102 101 32339.95 3866.94 2.5860 0.0303 0.0 0.0 6.26E-05 9.90E~04 6.67E-03 34 35 20433.50 3867.34 2.5858 0.0317 0.0 2.09F-02 1.86E-05 1.61E-03 1.05E-01 3.14E-01 86 29401.38 3867.38 2.5857 0.0303 6.99E-06 3.28F-04 0.0 0.0 3.92E-03 2.16E-02 22 9209.37 3867.43 2.5857 0.0476 2.35F-05 1.16E-03 6.79E-03 1.74E-02 5.996-05 4.13E-02 60 59 24513.30 3867.58 2.5856 0.0303 2.93E-02 0.0 0.0 1.69E-04 3.92E-03 1.15E-01 58 59 8810.04 3867.65 2.5855 0.0303 1.68E-03 6.81E-02 3.65E-01. 8.86E-01 1.47E 00 1.97F 00 11938-21 3868.22 2.5852 0.0379 7.48E-05 1.36E-02 1.55E-01 5.89E-01 1.32E 00 2.19E 00 345 36 35 20556.01 3868.26 2.5851 0.0312 1.71F-05 0.0 1.53E-03 2.01E-02 1.03E-01 3.095-01 58 24310.07 3868.49 2.5950 0.0303 0.0 0.0 1.91E-04 4.31E-03 3.16E-02 1.23E-01 12197.83 3868.64 2.5849 0.0603 0.0 6.13E-06 7.38E-05 2.91E-04 6.66E-04 1.13E-03 18 13084.58 3868.67 2.5849 0.0568 1.31E-05 4.15E-03 6.195-02 2.78E-01 6.93E-01 1.25E 00 11 12 10 50 1.59 3868.74 2.5848 0.0617 2.86F-06 2.61F-04 2.09E-03 6.47E-03 1.26F-02 1.90E-02 9415-45 3868.74 2.5848 0.0303 1.30E-03 7.06F-02 4.37E-01 1.16E 00 2.03E 00 2.84E 00 37 36 20681.96 3869.11 2.5846 0.0308 0.0 1.56E-05 1.44E-03 1.93E-02 1.00E-01 3.03E-01 8095.19 3869.25 2.5845 0.0331 1.025-04 2.94E-03 1.32E-02 2.89E-02 4.47E-02 5.71F-02 58 57 24110.11 3869.33 2.5844 0.0303 0.0 4.735-03 1.03E-06 2.16E-04 3.40E-02 1.30E-01 16536.64 3869.55 2.5843 0.0624 1.42E-04 4.84E-03 0.0 3.57E-02 1.24E-01 2+83E-01 38 37 20811.34 3869.88 2.5841 0.0303 0.0 1.43E-05 1.36E-03 1.86E-02 9.71F-02 2-975-01 14524.62 3869.93 2.5840 0.0617 0.0 4.77E-04 1.01E-02 5.56F-02 1.595-01 3-16F-01 5 123 122 36600.82 3869.95 2.5840 0.0303 0.0 0.0 0.0 4.32F-06 1.03E-04 9.28F-04 6349.53 48 3870.04 2.5840 0.0303 5.15E-04 6.42E-03 1.90E-02 3-23E-02 4.225-02 4.78E-02 57 56 23913.44 3870.09 2.5839 0.0303 1.21E-06 2.43E-04 5.19F-03 3.65F-02 0.0 1.38E-01 3870.18 6 113 112 34479.86 2.5839 0.0303 0.0 0.0 1.68E-05 0.0 3.27E-04 2.55F-03 -86 85 29110.45 3870.43 2.5837 0.0303 0.0 8.47E-06 3.82F-04 0.0 4.43E-03 2.395-02 38 20944.14 3870.58 2.5836 0.0303 0.0 1.30E-05 1.285-03 1.78F-02 9.41E-02 2.90E-01 56 55 23720.06 3870.78 2.5835 0.0303 0.0 1.43E-06 2.73E-04 5-67E-03 3.92F-02 1.46E-01 55 5607.77 3871.20 2.5832 0.0303 5.46E-04 4.76E-03 1.18E-02 1.81E-02 2.20F-02 2.36F-02 40 9 39 21080.37 3871.21 2.5832 0.0303 1.19E-03 0.0 1.18E-05 1.69E-02 9.10E-02 2.83E-01 3871.22 2.5832 7 101 100 32001.73 0.0303 0.0 0.0 1.10F-06 7.48E-05 1.155-03 7.54E-03 8134.45 -o-64 65 3871.27 2.5831 0.0303 1.57E-03 4:62F-02 2.10F-01 4.63E-01 7.19E-01 9.22F-01 55 54 23529.98 3871.38 2.5831 0.0303 0.0 1.67E-06 3.06E-04 6.18E-03 4.20E-02 1.55E-01 3 41 40 21220.01 3871.75 0.0303 2.5828 0.0 1.06E-05 1.11E-03 1.61E-02 8.77F-02 2.76F-01 39 40 7112.42 2 3671.77 2.5828 0.0303 3.01E-04 5.41E-03 1.92F-02 3.65F-02 5.13E~02 6.13E-02 54 9 53 23343.22 3871.91 2.5827 0.0303 0.0 1.96E-06 3.42E-04 6.72E-03 4.48F-02 1.63F-01 6 12201.31 3871.99 2.5827 1.34E-03 0.0606 0.0 1.23F-05 1.48E-04 5.84E-04 2+26E+03 9 42 41 21363.06 3872.22 2.5825 0.0303 0.0 9.52E-06 1.03E-03 1.53E-02 8.44E-02 2+68E-01 11 9 53 52 23159.78 3872.36 2.5824 0.0303 0.0 2.28E-06 3.81E-04 7.29E-03 4.78E-02 1.72F-01 4 21 22 9128.10 3872.38 6.93E-03 2.5824 0.0496 2.54E-05 1.20F-03 1.765-02 2.99E-02 4.10F-02 10 10 Q 16568.71 3872.41 2.5824 0.0624 0.0 1.54E-04 5.29F-03 3.92E-02 1.37F-01 3.12F-01

9 43 42

9 52 51

21509.51

22979.66

3872.62

3872.73

2.5822

2.5822

0.0303

.0.0303

0.0

0.0

8.52F-06

2.64E-06

9.59E-04

4.23E-04

1.45E-02

7.89E-03

8.10E-02

5.09F-02

2.60E-01

1.80F-01

VL	Ú TÝĽ	JU Ji	L LOWER (	CODE WAVE NUMBER	WAVE LENGTH	HALF ""	****	** INTEGRAT	ED ** ABSOR		EFFICIENT *	****
			ENEPGY	CM-1	MICRON	H2	T = 1200	T = 1500	T = 2000	T = 2500	רכיתב ≖ ד	T = 3500
11	1 9,	44 4		1 3872.94	2.5820	0.0303	0.0	7.59F-06	8.86F-04	1.376-02	_7.76E-02	2.515-01
9	5 4	35 3		1 3872.94	2.5820	0.0312	3.04F-04	3.33F-02	2.92F-01	9.54E-11	1.93E 00	2.98F 00
		101	6 TWO	2 .3872.97	2.5820	0.0625	2.80E-06	2.51F-04	1.99F-03	6.11F-03	1.18F-02	1.785-02
11		51 5		1 3873.03	2.5820	0.0303	0.0	3.05E-06	4.59F-04	8.52F-03	5.40F-02	1.898-01
	53	43 4	4 10029.06	1 3873.08	2.5819	0.0303	7 • 9 6E-C 4	5.81F-02	4 - 1 7F - 0 1	1.21E 00	2.24 00	3-28E 00
1 1	19	45 4	4 21812.60	1 3873.18	2.5819	0.0303	0.0	6.74F-06	8.16F-04	1.29E-02	7.42F-02	2-43F-01
11		50 4		1 3873.25	2.5818	0.0303	0.0	3.52F-06	5.186-04	9-18F-03	5.72F-02	1.98F-01
11		46 49	5 21969.23	1 3873.35	2.5817	0.0303	7.0	5.06E-06	7.505-04	1.21E-02	7.07F-02	2.34E-01
11		49 4	8 22459.34	1 3673.39	2.5817	0.0303	0.0	4.04E-06	5.71F-04	9.87F-03	6.05E-02	2.07E-01
10	8 0	es 8	4 28822.53	1 3873.41	2.5817	0.0303	0.0	0.0	1.025-05	4.435-04	รี ก๊กร-กล้	2.64F-02
11		47 40	6 22129.23	1 3873.44	2.5817	0.0303	0.0	5.26E-06	6.87E-04	1 13F-02	6.735-02	2.25F-01
1 1	1 9	48 4	7 22292.60	1 3873.45	2.5817	2.0303	7.0	4.61F-06	6+27F-04	1.06F-02	6.39F-02	2-16E-21
	<u>6</u>	16 1	7 13019.29	1 1 3873.47	2.5817	0.0585	1.37F-05	4.19F-03	6.16F-02	2.74E-01	6.79F-01	1.22F 00
7	7 5	26 2	7 11835.99	1 3873.72	2.5815	0.0398	8.40F-05	1.46F-02	1.515-01	5.05F-01	1.345 00	2.21F 70
9	9 7	4	5 14503.03	1 3873.87	2.5814	0.0614	0.0	4.08F-04	8.56F-03	4 • 71E-02	1.35F-01	2.67F-01
٤	5 3	30 3	1 7981.43	2 3874.79	2.5808	0.0335	1 - 1 7F-04	3.19F-03	1.4CE-02	3.01E-02	4.59F-02	5.82F-02
10	8 0	11 1	0 16604.34	1 3875.20	2.5805	0.0625	0.0	1 • 64E-04	5.70E-03	4 25E-02	1.495-01	
3	3 1	57 5	8 8590.31	3875.26	2.5805	0.0303	2.27E-03	8.316-02	4.22E-01	9.93F-01		3.40F-21
8	8 6	3 :	2 12208.27	2 3875.27	2.5805	0.0609	0.0	1.84F-05	2.22F-04	8.78E-04	1.61F 00	2.13F 00
မှ မ	6	12 11	1 34107.37	1 3875.36	2.5804	0.0303	0.0	0 • 0	0.0		8:01E=03	3.41E-C3
346				1 3875.41	2.5804	0.0303	0.0			2.065-05	3.86F-04	2.93F-03
		50 5		1 3875.89	2.5801	0.0303	1.69E-03	9: 9 , ;	1.37 <u>E</u> -06.	^	1 •32F-23	9.51E-03
7		22 12		1 3875.97	2.5800	0.0303	0.0	8.37E-02	4.950-01	1.27F 00	2.20= 00	3.03E 00
10	0 8	24 e:		1 3876.30	2.5798	0.0303	0.0		0.0	5-36F-06.	1_235_04	1.08 <u>E-03</u>
	a 1	46 4		2 3876.61	2.5796	0.0303			1.24F-05	5 • 1/3E - 04	5.635-03	2.02F-03
	7 5	9 1		2 3877.12	2.5792	0.0584	<u>6.49E-04</u> _	7:45E-03.	2 • 1 <u>2F - 0 ?</u>	3 • 51 € ¬02,	4 • 51F-02.	5-05E-02
6		20 2		2 3877.27	2.5791	0.0515	2.71F-06 2.73E-05	2.37E-04	1.875-03	5.70E-03	1.105-02	1.65E-02
5	9 7	3 3	4 14485.03	1 3877.75	2.5788	0.0611		1.24E-03_	7•936-03.	1 • 76F-02		4.07F-02
4		38 39		2 3877.82	2.5788		0.0	3.33F-04	6.97E-03	3.83F-02	1.095-01	2.16F-01
10		12 1		1 3877.92	2.5787	0.0303	3.62E-04	6.08F-03	2.09E-02	3.88E-02	5.38F-22	6.36E-02
8		15 16		1 3878.20	2.5785		0.0	1.73E-04	6.08F~03	4.56E-02	1.60E~01	3.67E-01
	2 0	E3 5		2 3878.21	2.5785	0.0591	1-41E-05	4.20E-03	6.09F-02	2 • 68E -01	6 <u>, 62E</u> _21	1.18E 00
	8 6		3 12218.71	2 3878.49	2.5783	0.0511	7.16E-04	5.68E-03	1.34E-02	2.00E-02	2.38E-05	2.53F-02
6	5 4	34 3		3879.00	2.5780	0.0317	0.0 3.59E-04	2.45E-75	2.96E-04	1 • 17E - 03	5.60E-03	4.55E-03
10	8 0	83 83		1 3879.11	2.5779	0.0303		3.69F-02	3.14F-01	1.00E 00	2.00E 00	3.07E 00
7	7 5	25 20		1 3879.16	2.5779	·	0.0	0.0	1.49E-05	5.93E-04_	6.34F-03	3.23F-02
ž	-	63 6		1 3879.28	2.5778	0.0418 0.0303	9.37F-05 2.20F-03	1.55E-02	1.68E-01	6.20E-01	1.36F 00	2.23E 00
9	9 7	99 98		1 3879.52	2.5776	0.0303		5.76E-02	2.47E-01	5.26E-01	7 • 98E-01	1.01E 00
	5 3	42 4		1 3879.69	2.5775		0.0	0.0	1.71E-06	1 - 06E-04	1.53F-03	9.60E-03
		29 3		2 3880.27	2.5771	0.0303	9.86E-04	6.66E-02	4.6CE-01	1.30F 00	2.38F 00	3.44F 00
6		11 11		1 3880.46		0.0340	1.33E-04	3.44E-03	1 -47E-02	3.11E-02	4.70E-02	5.92F-02
10		13 1		1 3880.56	2.5770	0+0303	0.0	0.0	0.0	2.51E-05	4.54E-04	3.36F-03
7			9 10385.77			0.0610	0.0	1.81E-04	6.42E-03	4.84E-02	1.71E-01	3.93E-01
<del></del>			3 14470.63	2 3881.22 1 3881.56	2.5765	0.0624	2.57E-06	2.22E-04	1.73E-03	5.26E-03	1.01E-02	1.51E-02
á	-	5 7		2 3881.64	2.5763	0.0609	0.0	2.55F-04	5.30E-03	2.91E-02	8.28F-02	1.64E-01
10		<b>8</b> 2 81		1 3881.84	2.5762	0.0614	0.0	3.03E-05	3.698-04	1.46E-03	3.35E-03	5.69E-03
7					2.5761	0.0303	0.0	0.0	1.79E-05	6 • 84E-04	7.12E-03	3.56F-02
6		19 20		3881.90	2.5761	0.0303	0.0	0.0	0.0	6.65E-06	1.46E-04	1 • 25E-03
3		56 57		2 3882.10	2.5759	0.0535	2.91E-05	1.28E-03	7.10E-03	1 . 76F-02	2.96E-02	4.02E-02
				3882.82	2.5754	0.0303	3.06E-03	1.01E-01	4.87E-01	1.11E 00	1.76E 00	2.30E 00
	6 6	14 15		1 3882.87	2.5754	0.0597	1 • 45E-05	4.19E-03	5.98E-02	2.62E-01	6.41E-01	1.14E 00
		49 50		1 3882.97	2.5753	0.0303	2.18E-03	9.88E-02	5.58E-01	1.40E 00	2.37E 00	3.23E 00
3	_	45 46		2 3883.11	2.5753	0.0303	8-14E-04	8.61E-03	2.35E-02	3.80E-02	4.81E-02	5.32E-02
10		14 13	3 16732.56	1 3883.14	2.5752	0.0504	0.0	1 • 88E-04	6.73E-03	5.11E-02	1.81E-01	4.18E-01

9 7 98 67 3100 A.S. S.	240	VŪ	νĹ	JÜ	ĴĹ,	LOWER	CODE		WAVE	HALF	*****	** INTEGRAT	FD ** ABSOR		EFFICTENT *	****
9 7 98 97 31094-55 1 3883-56 2.5740 0.020 0.0 - 2.2 9.18E-66 1.38E-07 1.76E-13 1.08E-10 1.08E-10 1.76E-13 1.08E-10 1.08E										MIÖLH						
10 0 81 80 7701-36 1 3894-49 2 3.052 2.5748 0.0305 4.335-06 4.795-03 2.586-07 4.195-02 5.635-07 6.985-02 7 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8						ENERGY		CN-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	000E = T	T = 3500
10 8 18 0 7761.36 1 3894.48 2 3.5743 0.0303 4.38F-06 0.79E-03 2.18F-07 5.63E-07 6.49E-02 7.99E-03 7.99		9	7	98	97	31004.25	11	3883,54	2.5750	0.0303	0.0	0.0	2.14E-06	1 • 26E-04	1.76F-13_	1.085-02
## 1	4	4	2	37	38		2	3893.82	2.5748	0.0303	4.33F-04	6.79E-03	2.265-02	4 122		6.59F-12
8 6 6 5 12280,03 2 3884.73 2,5742 0,0017 0,0 3,00-03 1,15F-03 1,10F-03 1,10		10	8	81	60	27701.36	1	3884.48	2.5743	0.0303	0.0	0.0	2-145-05	7.875-04	7.996-03	3.915-02
6 4 33 34 1001031 1 3804.99 2.5740 0.0021 4.26760 4.076-02 3.1567-01 1.002 00 2.067-02 2.7667-02 3.1567-01 1.002 00 2.067-02 2.7667-02 3.1567-01 1.002 00 2.067-02 2.7667-02 2.7667-02 3.1567-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7667-02 2.7		7	5	24		11642.38	1	3884.53	2.5743	0.0437	1.04E-04	1.64F-02	1.745-01	6.33F-11	1.38E 00	2.25E 00
2 0. 62 53 521.437 2 3865.16 2.57739 0.02030 9.3587-03 4.756-03 1.5887-07 2.758-07 2.758-07 7 5 7 8 10354.17 2 3865.25 2.5783 0.0622 2.405-00 1.758-00 3.458-07 3 0.188-07 3 1.178-07 1.758-00 3.508-07 3 1.178-07 1.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07 3.758-07		8						3884.73	2.5742	2.0617	0.0	3.60F-05	4.39E-04	1 • 75F=°3.	4・^2=-^3	6.82E-03
9 7 1 2 14459.03 1 3885.30		6			34	10610.31	1	3884.99	2.5740	0.0321	4.21E-04	4.07E-02	3.36F-01	1.06E 00	2.08F 40	3.16F 00
9 7 1 2 14459.03 1 3885.30		2	0	52	.53	5214.37	. 2	3885-16	2.5739	0.0303	9.35F-04	6+76F-03	1.52F-02	2-20E-05	, 2.58F-02	2.715-12
8 6 110 109 33370.55 1 3895.47 2.5737 0.30393 0.0 0.0 0.0 3.08=05 5.33E-02 1.070=01 1.03E-04 1.0702.41 1 3885.64 2.5736 0.0359 1.51E-04 3.71E-03 1.53E-04 7.72E-02 4.01E-01 4.1E-01 5 3 28 29 7076.72 1 3895.68 2.5736 0.0359 1.51E-04 3.71E-03 1.53E-04 7.72E-02 4.01E-01 4.1E-01 5 3 28 29 7076.72 1 3895.68 2.5736 0.0359 1.51E-04 3.71E-03 1.53E-04 7.72E-02 4.01E-01 4.00E-01 4		7	5	7	8	10354.17	2	3885.25	2.5738	0.0623	2.40E-06		1.585-03	4.795-03	9.185-73	1.376-02
10							1 _				0.0	1.72F-04	3.58F-03	1 • 96E-02	5.59F-0?	1 • 1 °F = 0 1
5 3 2E 29 7764.45 2 3885.68 2.8736 0.0359 1.08E-04 3.71E-03 1.58E-02 1.27E-02 1.27E-02 3.76E-03 1.58E-02 1.27E-02 3.76E-03 1.27E-02 1.27E-02 3.866.86 2.8728 0.0552 3.80E-03 1.27E-02 1.27E-02 2.07E-02 1.30E-03 2.3866.86 2.8728 0.0552 3.00E-03 1.76E-03 1.76E-03 1.76E-02 2.77E-02 2.77E-02 2.07E-02 1.30E-03 2.07E-02 1.30E-03 2.07E-02 2.07E-02 1.30E-03 2.07E-02 2.07E-02 2.07E-02 2.07E-03 1.30E-03 2.07E-03 1.30E-03 2.07E-02 2.07E-02 2.07E-02 2.07E-03 1.30E-03 2.07E-03 1.30E-03 2.07E-03 1.76E-03 2.07E-03 2.07							1				0.0					3.85F-^3
5 3 41 42 9707.73 1 3886.24 2.5732 9.0303 1.21F_07 7.00F_02 5.05F_01 1.30F_07 2.39F_00 7.60F_02 6 4 18 19 8095.30 2 3886.86 2.7729 0.0303 3.06F_07 7.13F_07 2.776F_00 2.39F_07 7.30F_02 2.39F_07 7.13F_07 2.39F_07 1.39F_07 7.13F_07 2.39F_07 2.39F_07 2.39F_07 2.39F_07							_1 _									
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10 8 19 18 17017.28 1 3894.93 2.5674 0.0552 0.0 1.99F-04 7.64E-03 6.04F-02 2.20F-01 5.18F-0] 7 5 22 23 11463.27 1 3895.07 2.5673 0.0476 1.25E-04 1.81F-02 1.84E-01 6.53E-01 1.40F 00 2.25F 00 9 7 95 94 30032.83 1 3895.10 2.5673 0.0303 0.0 0.0 4.08F-06 2.10F-04 2.66F-03 1.53F-02 2 0 61 62 7415.60 1 3895.13 2.5673 0.0303 4.24F-03 8.85E-02 3.40E-01 6.75E-01 9.78F-01 1.19F 00 8 6 108 107 32644.72 1 3895.23 2.5672 0.0303 0.0 0.0 0.0 0.0 4.50F-05 7.33E-04 5.04E-03 4 2 35 36 6561.53 2 3895.63 2.5670 0.0312 6.08E-04 8.39E-03 2.62E-02 4.59E-02 6.12F-02 7.04E-02 3 1 43 44 5680.94 2 3895.95 2.5668 0.0303 1.26F-07 1.14F-02 2.87F-02 4.43E-02 5.43F-02 5.48F-02		10	8	77	76	26629.57	1	3894.25	2.5679	0.0303	0.0					
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8 6 108 107 32644.72 1 3895.23 2.5672 0.0303 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		9	7	95	94	30032.83	1 1	3895.10	2.5673	0.0303	0.0	0.0	4.08F-06	2.10F-04	2.660-03	1.53F-^2
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The state of the s		4		35								8.39E-03			6.12F-02	
9, 7 1, 0 14449.03 1 3896.10 2.5667 0.0603 0.0 8.83E-05 1.87E-03 1.07E-02 2.85E-02 5.63E-02		3								• ,	1.26F-03		2 • 87F-02	4.43E-02	5.43F-02	5.88F-02
		· · · ? · ·	7	1.	, O	14449.03	!	3896.10	2.5667	0.0603	0 .0	8-83F-05	1.87E-03	1.005-02	2.855-02	5.63F-02

VU	VL.	JU	JL	LOWER	CODE	WAVE	WAVE	DATE \	ر الله الله الله الله الله الله الله الل					
		30		STATE	-UUE	NUMBER	LENGTH .	HALF \ Width	****	FF INTEGRAT	ED ** ABSOR		EFFICIENT *	****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	M→1 T = 2500	T = 3000	T = 3500
ే 6	4	16.	17	8774.49	2	3896.19	2.5666	0.0585	3.35E-05	1.34E-03	7.08E-03	1.71E-02	2.81E-02	3.77E-02
5	3		27	7561.55	2	3896.33	2.5665	0.0398	1.90E-04	4+24E-03	1.68E-02	3.40E-02	4.99E-02	6.15E-02
8			9	12354.38	2	3896.41	2.5665	0.0624	0.0	5.56E-05	6.95E-04	2.816-03	6.526-03	1.12F-02
8	6		12	12747.07	1	3896.46	2.5664	0.0617	1 -46E-05	3.93E-03	5.42E-02	2 • 32E-01	5.60E-01	9.86E-01
10	8		75	26369,43	1	3896.49	2.5664	0.0303	0.0	0.0	5.09E-05	.1.55F~03	1.38E-02	6.17E-02
6	4		32	10363.92	1	3896.79	2.5662	0.0331	5.69E-04	4.88E-02	3.80E-01	1.15E 00	2.22F 00	3.31E 00
4_	2		48	8665.59	1	3896.95	2.5661	0.0303	3.58E-03	1.36E-01	7.05E-01	1.68E 00	2.74F 00	3.64E 00
7	5		5	10280.43	2	3896.95	2.5661	0.0614	1.69E-06	1.39E-04	1.06E-03	3.17E-03	6.03E-03	8.95F-03
10	8		19	17084 • 85	1	3897.07	2.5660	0.0535	0.0	1.97E-04	7.70E-03	6-15E-02	2.25E-01	5.33E-01
3	1	54	55	7952.49	1	3897.74	2.5656	0.0303	5.46E-03	1.47E-01	6.43E-01	1.38E 00	2.10E 00	2.67E 00
10	8		74	26112.42	_1	3898.65	2.5650	0.0303	0 • 0	0.0	6.00E-05	1.766-03	1.53E-02	6.73E-02
9	7		93	29714.89	1	3898.79	2.5649	0.0303	0.0	0.0	5.04E-06	2.48E-04	3.05F-03	1.71F~02
2	0		51	4834.91	2	3898.88	2.5648	0.0303	1.57E-03	9.44F-03	1.95E-02	2.66E-02	3.01F-02	3.07F-02
10	8		20	17155.96	1	3899.13	2.5647	0.0515	0.0	1.95E-04	7.72F-03	6.23E-02	2.30F-01	5.47F-01
5	3		40	9400.82	1	3899.13	2.5647	E0F0•0	1.81E-03	9.80E-02	6.05E-01	1 + 60E 00	2.81E 00	3.92F 00
7	5		117	34611.99	1	3899.16	2.5647	0.0303	0.0	0.0	0.0	1.26E-05	2.48E-04	1.95E-03
8	6		10	12389-16	2	3899.16	2.5647	0.0625	0.0	5.95E-05	7.50E-04	3.04E-03	7.09F-03	1.22E-02
9	7		1	14452.63	1	3899.56	2.5644	0.0606	0.0	1.77E-04	3.67F-03	2.01E-02	5.72F-02	1.135-01
8		107		32285.97	1	3899.98	2.5641	0.0303	0.0	0.0	0+0	5.45F-05	8.57E-04	5.75F-03
20 7 20 8	5		22	11379.15	1	3900.24	2.5639	0.0496	1.35E-04	1.89E-02	1.88E-01	6.59E-01	1.40F 00	2.24F 00
	6		87	25188.84	2	3900-45	2 • 5638	0.0303	0.0	0.0	0.0	2 - 43F-05	1.93F-04	7.96E-04
7	5		4	10262.87	2	3900.73	2.5636	0.0611	1 • 40E-06	1 . 14E-04	8.61E-04	2.57F-03	4.89F-03	7.25F-03
10	8			25858.57	1	3900.73	2.5636	0.0303	0.0	0.0	7.075-05	1.995-03	1.70E-02	7.33E-02
6	4	15	16	8714.33	2	3900.76	2.5636	0.0591	3-46E-05	1.34E-03	7.00E-03	1.67E-02	2.74F-02	3.66F~02
8	6	10	11	12703.48	!	3900.85	2.5635	0.0625	1.436-05	3.77E-03	5.15E-02	2.19F-01	5,27F-01	9.24F-01
10	8		21	17230.61	1	3901.13	2.5634	0.0496	0.0	1.91E-04	770F-03	6.28E-02	2.33F-01	5.585-01
· <u>4</u> -	<del>2</del>		35	6432.60		3901.45	2.5631	0.0317	7.15E-04	9.27F-03	2.80E-02	4.82E-02	6.35E-02	7.25E-02
_			26	7465.39	2	3901.56	2.5631	0.0418	2 . 1 2E-04	4.50F-03	1.74F-02	3.48F-02	5.07E-02	6.20F-02
6		127		36479.76		3901.61	2.5630	0.0303	0.0	9.0	0.0	3.53€-06	8.325-05	7.44F-04
	6	12	11	12427.41	2	3901.85	2.5629	0.0617	0.0	6.29E-05	,8.01E-04	3.27E-03	7.64F-03	1.31F-02
	<u>1</u>	42	43	5522.55	2	3902.28	2.5626	0.0303	1.55E-03	1.30E-02	3.16E-02	4.77E-02	5.75F-02	6-16E-02
_		93	92	29399.89	1	3902.30	2.5625	0.0303	0.0	0.0	6.20E-06	2.92F-04	3.48E-03	1 - 92E-02
<u>6</u>	. <u>.</u> 4.	_ <u>30</u> _	31	10246.16	1	3902.59	2.5624	0.0335	6.56E-04	5.31F-02	4+02E-01	1.20E 00	2.28E 00	3.38E 00
	8 7		72	25607.89	1	3902.73	2.5623	0.0303	0.0	0.0	8.30E-05	2.26E-03	1.87E-02	7.96E-02
<u>9</u>		3	<u> </u>	14459.83		3902.95	2.5622	0.0609	0.0	2.65E-04	5.51E-03	3.02E-02	8.60E-02	1.705-01
10	0	60	61	7183.08	1	3902.97	2.5622	0.0303	5.85E-03	1.09E-01	3.96E-01	7.61E-01	1.08F 00	1.30F 00
8	<u>8</u>	- <u>23</u> - 87	22 86	17308.79	ž	3903.05	2.5621	0.0476	0.0	1.86F-04	7.65E-03	6+31E-02	2.36F-01	5.68F-01
9	2	46	47	24900.92	2	3903.23	2.5620	0.0303	0.0	0.0	1 - 1 SE-06	2 • 82E-05	2.185-04	8.81F-04
		2	3	8487.11 10248.62	- 7	3903.85	2.5616	0.0303	4.55E-03	1.59E-01	7.88F-01	1.83E 00	2.935 00	3.86F 00
g ·	, 6	13			2	3904.43	2.5612	0.0609	1.07F-06	8.67E-05	6.55F-04	1.95F-03	3.717-03	5.49F-03
	8		12 71	12469.13 25360.39	<del></del>	3904.47	2.5612	0.0610	0.0	6•58E-05	8.46E-04	3.47F-03	8.160-03	1.41F-02
8	6				1	3904.65	2.5610	0.0303	0.0	0.0	9.72F-05	2.55F-03	2.07E-02	P.64F-02
<del></del> <del>7</del>		106		31930.02	<del></del>	3904.65	2.5610	0.0303		9.0	0.0	6.58F-05	1 - 00E-03	6.56F-03
10	8	24	23	17390.49	1	3904.74	2.5610	0.0303	0+0	0.0	0.0	1.55E-05	2.95E-24	2.26E-13
3	·	53	54			3904.90	2.5609	0.0457	0.0	1.80E-04	7.56F-03	6.31F-02	2.38F01	5.76F-01
ى 2	6	9	10	7747.04	1	3905.11	2.5607	0.0303	7.23E-03	1 - 77F-01	7.350-01	1.53F ^0	2.29F 00	2.86F 00
<del></del>	👇	14-	-15 ··	12663.53		3905.18	2.5607	0.0524	1.39E-05	3.58E-03	4 .84F-02	2 • 055 -01	4.916-01	8.58E-01
7	5			8657.70	2	3905.27	2.5606	0.0597	3.53F-05	1.33E-03	6.86E-03	ำ ∙ัคริ⊨ี่−ด2	2.655-72	3.5302
~~~ <del>~</del>	<u>э</u>	20	21	11298.67		3905.35	2.5606	0.0515	1.46E-04	1.96F-02	1.91E-01	6.62F-01	1.398 00	2.22E 00
5		38	39	9252.79	1	3905.49	2.5605	0.0303	2.20E-03	1.11E-01	6.59F-01	71F 00	2.95F 00"	4.08F 00
<u>.</u> .	<del>-</del>	- <u>49</u> .	50	4650-41	_2	3905.66	2.5604	0.0303	2.01F-03	1.11F-02	2.19E-02	2 • 92E = 02	3.24F-02	3.27F-02
9		92		29087.87	1	3905.91	2.5602	0.0303	0.0	0.0	7.63F-06	3.43F-04	3.978-03	2-14F-02
8	_6				2	3905.93	2.5602	0.0303						

	VÜ	VL	JU	JL	LOWER	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRATE	D ** ABSOR	PTIÑÑ ** CοÌ M−1	EFFICIENT *	******
<del></del>				·	STATE ENERGY		CM-1	PICRON	H5	T = 1000	T = 1500	T = 2000	Τ = 2500	र = ∃०००	T = 3500
	9	7	4	3	14470.63	1	3906.27	2.5600	0.0611	0.0	3.52E-04	7.34E-03	4.02E-02	1.15F-0.1	. 2.27E-01
	10	8	71	70	25116.07	1	3906.48	2.5598	0.0303	0.0	0.0	1 - 1 4F-04	2.88F-03	2.28F-02	9.37E-02
	10	8	25	24	17475.72	1	3906.67	2.5597	0.0437	0.0	1 . 74F-04	7.44E-23	_6.29F-?2	2.39E-71	" 82E-01
	5	3	24	25	7372.76	2	3906.73	2.5597	0.0437	2.34F-04	4.76E-03	1.806-02	3.55F-02	5 • 1 2E = ^2	6.23E-02
	8	6	14	13	12514.32	2	3907.02	2.5595	0.0604	0.0	6.82E-05	8.87E-04	3.66E-03	8.65F-03	1.50F-02
	4	2	33	34	6307.19	2	3907.20	2.5594	0.0321	8.34E~04	1.02F-02	2.99F-02	5.06E-02	6.586-02	7.44F-02
	6	4	126	125	36062.28	1	3907.95	2.5589	0.0303	0.0	2+2		4.42E-26	1.00F-04.	8.70F-04
	7	5	1	2	10238.29	2	3908.08	2.5588	0.0606	0.0	5.87E-05	4.42E-04	1.32E-03	2.50F-03	3.70F-23
	10	8	70_	69	24874.95	_1	3908-24	2.5587	0.0303	9.0	0.2	1.32F-04	3.24E-03	2.51F-02	1 • 0 1 E-01
	6	4	25	30	10132.03	1	3908.32	2.5586	0.0340	7.50F~04	5.76E-02	4.24E-01	1.25F 00	2.34E 00	3.45F 00
	10	8	26	25	17564.47	1	3908.37	2.5586	0.0418	<u>0.0</u>	1 • 67F- 04	7.30F-03	6.255-^2		5.87E-01 6.44E-02
	3	1	41	42	5367.68		3908.54	2.5585	0.0303	1.90F-03	1.48F-02	3.46F-02	5.11E-02	6.08F-02	
	<u> e .</u>	6_	. 25	84	24334.02		3908.56	2.5585	0.0303		0.0	1.67F-06		2 • 77E=04.	1.08F-03
	8		105		31576.87	1	3909.23	2.5580	0.0303	0.0	0 • 0	1.24E-06	7.94F-05	1.175-03	7.47E-03
	9_		91_	90	28778.82	1	3909.35	2.5580	0.0303	0.0	0.0	9,35E-06	4.02E-04	4.52E-03	7.89E-02
	8	6	8	9	12627.20		3909.44	2.5579	0.0624	1.32E-05	3.35E-03	4.49E-02 9.23E-04	1.89F-01 3.84F-03	9.10E-03	1.585-02
	<u>_8_</u>	6_	15	14	12562.97		3909.51	2 • 5579	0.0597	0.0	7.02E-05		5.025-02	1.436-01	2.84E-01
	9	7	5	4	14485.03		3909.52	2.5579	0.0614	0.0	4.37F-04 1.31E-03	9.13F-03 6.69F-03	1.57E-02	2.555-02	3.38F-02
	<u> </u>	_4.	13	14	8604-60		3909,72	2.5577	0.0604	3+57E-05	0.0	1.54E-04	3.64E-03	2.75F-02	1.09E-01
<b>3</b>	10	8	69	68	24637.04		3909.92	2.5576	0.0303	0.0	1.59E-04	7.13F-03	6.18E-02	2.39F-01	5.908-01
<u></u>	10		27	26	17656.73		3910.00	2.5575 2.5574	0.0398	0.0	0.0	0.0	1.91E-05	3.50E-04	2.61E-03
	7		116		33834.87			2.5573	0.0303	1.56E-04	5.05E-05	1.93E-01	6 • 63F = 01	1.395 00	2.19F 00
	7	<u>5</u>	19 45	20 46	11221.82		3910.38	2.5571	-0.0303	5.76E-03	1.85E-01	8.78E-01	1.995 00	3.14E 00	4.07E 00
		0		60	8312.24 6954.12	1	3910.00	2.5571	0.0303	8.02F~03	1.34E-01	4-61E-01	8.57E-01	1.19E 00	1.41E 00
	2		<del>- 59</del> 84	- 23	24055.05		3911.10	2.5568	0.0303	0.0	0.0	2.00F-06	4.35E-75	3.11F-04	1.19E-03
	10	8	68	67	24402.34	1	3911.52	2.5566	0.0303	0.0	0.0	1.78E-04	4.08E-03	3.02F-02	1.186-01
	10	8	28	27	17752.52	i	3911.56	2.5565	0.0379	0.0	1.51E-04	6.93E-03	6.105-02	2.385-01	5.01F-01
	7	5	0	1	10231.26		3911.66	2.5565	0.0603	0.0	2.97E-05	2.23E-04	6.635-04	1.26F-03	1.86F-03
	5	3	37	8E	9108.38		3911.78	2,5564	0.0303	2.64E-03	1.24F-01	7.15F-01	1.81E 00	3.49F 00	4.24E 00
	5	3	23	24	7283.66		3911.83	2.5563	0.0457	2.56E-04	5.00F-03	1.858-02	3.61E-02	5-16-02	6.24F-02
	- 8	- 6	16	15	12615.09		3911.92	2.5563	0.0591	0.0	7.16E-05	9.53E-04	4 00F-43	9.52E-03	1.66F-02
	2	ō	48	49	4469.43		3912.37	2.5560	0.0303	2.57F-03	1.30F-02	2.45F-02	3.19E-02	3.48E-02	3.47E-02
	3	1	52	53	7545.17		3912.42	2.5560	0.0303	9.53F-03	S-12E-01	8.385-01	1.70E 00	2.49F 00	3.07F 00
	9	7	90	89	28472.78		3912.70	2.5558	0.0303	0.0	0.0	1.145-05	4.70E-04	5.146-23	3.66E-02
-	9	7	6	5	14503.03		3912.70	2.5558	0.0617	0.0	5.18E-04	1.09E-02	5.99F-02	1.715-01	3.40F-01
	4	2	32	33	6185.32		3912-89	2.5557	0.0326	9.69E-04	1.12F-02	3.18E-02	5.20F-02	6.80F-02	. 7.63E-02
	10	8	67	66	24170.88	1	3913.03	2.5556	0.0303	0.0	0.0	2.06F-04	4.57E-03	3.305-02	1.27E-01
	10	8	29	28	17851.80	1	3913-04	2.5556	0.0359	0.0	1.43E-04	6.72E-03	5.005-02	2.36F-01	5-90F-01
	8	6	83	82	23779.10	2	3913.58	2.5552	0.0303	0.0	0.0	2.40E-06	5.01F-^5	3.48E-^4	1.376-03
	8	6	7	8	12594.50	1	3913.63	2.5552	0.0623	1.24E-05	3.09E-03	4.11E-C2	1.72E-01	4.10E-01	7.13F-01
	8	6	104.	103	31226.56	1,	3913.72	2.5551	0.0303	0.0'	0.0	1.565-06	9.56E-^\$	1.366-03	B.49F-03
	6	4	28	29	10021.54	11	3913.99	2.5549	0.0359	8.555-04	6.82E-02	4.46E-0.1	1.29F 00		
	6	4	12	13	8555.02	2	3914.10	2.5549	0.0610	3.58E-05	1.29F-03	6.47E-03	1.51F-02	2.44F-02	3.22F-02
	6			124	35647.34		391'4.19	2.5548	0.0303	0.0	<u> </u>	0.0	5.53F-06	1.20F-04	1.02F-03
	8	6	17	16	12670-68		3914.27	2.5548	0.0585	0.0	7.25F-05	9.798-04	4 - 1 3E - 03	9.915-03	1.735-02
	10	8	30	29	17954.60		3914.44	2.5546	0.0340	<u> </u>	1.35F-04	6.48E-03	5 87E-02	<u>2 • 34F - 01</u> .	5 <u>.88F-01</u>
	10	8	66	65	23942.65		3914.47	2.5546	0.0303	0.0	1 • 18E-06	2.38F-04	5.10F-03	3.61E-02	1 • 37F = 01
		1	40	41	5216.33		3914.75	2.5544	0.0303	2-31E-03	1.67F-02	3.78E-02	5.47E-22	6.41E-02	6.73F-02
	7	5	18	19	11148.61	1	3915.35	2.5540	0.0552	1.65F-04	2.07E-02	1.94F-01	6.60E-01	1.37F 00	2.16F 00
	7		115		33450.32		3915.64	2.5539	0.0303	0.0	0.0	0.0	2.35E-05	4.15E-04	3.02F-03 5.86F-01
	10	8	31	30	18060.90		3915.77	2 - 5538	0.0335	0.0	1 • 27E - 04	6.25E-03	5.745-02	2.31F-01	
	9	7	7	6	14524.62	1	3915.81	2.5538	0.0620	0:0	5.95F-04	1.26F-02	6.95F-02	1 • <u>995-01</u> _	3•_96F_C1

VU	· VL	ÜL	۳JĽ	LOWER	CODE	WAVE	WAVE	HALF	ر ند باد باد باد باد باد باد					
	-			STATE	CODE	NUMBER	LENGTH	WIDTH	****	* INTEGRATI			EFFICIENT *	*****
	•	··· •		ENERGY	~	CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	<u>√-1</u> T = 2500	T = 3000	T = 3500
<u>10</u>	$-\frac{8}{6}$	6 <u>5</u> 82	64 81	23717.67	~~ <del>`</del> ~~~	3915.83	2.5537	0.0303	0.0	1.43F-06	2.73E-04	5.67E-03	3.93F-02	1.47F-01
9	7			23506.16	2	3915.97	2.5536	0.0303	0.0	0.0	2.87E-06	5.76F-05	3.90E-04	1 • 43E-03
·	· <del>[</del> -	<u>89</u>	-88.	28169.73	<u>l</u>	3915.97	2.5536	0.0303	0.0	0.0	1.40E~05	5.51E-04	5.85F-03	2.96F-02
			17	12729.73	2	3916.56	2.5533	0.0568	0.0	7.29E-05	9.98F-04	4.25F-03	1 - 03E-02	1.80F-02
5	<u>_3</u>		_23	7198-11	2	3916.88	2.5531	0.0476	2.79E-04	5.23E-03	1.90E-02	3.65E-02	5.18F-02	6.235-02
		32	31	18170.69	1	3917.03	2.5530	0.0331	0.0	1.19F-04	6.00E-03	5.608-02	2.28E-01	5.82E-01
10	<u>8</u>	64 44	63	23495.95		3917-11	2.5529	0.0303	0.0	1.73E-06	3.14E-04	6.31E-03	4.27E-02	1.57F-01
		6	45	8140.98	1	3917.45	2.5527	0.0303	7.23E-03	2-14E-01	9.76E-01	2.15E 00	3.35E 00	4.3CE 00
8.	. 5	36	;; <del>′</del>	12565.43	<u>1</u> .	_3917.75	2.5525	0.0620	1 • 1 3E - 05	2.79F-03	3.69E-02	1.54E-01	3.65F-01	6.35E-01
8				8967.61	1	3918.00	2.5523	0.030B	3.16E-03	1.39E-01	7.74E-01	1.92E 00	3.23E 00	4.40F 00
īō -	<u>8</u> .	103		30879.08	<del> </del>	3918.14	2.5522	0.0303	0.0	0.0	1.98F-06	1 - 15E-94	1.58F-03	9.64F-03
8			32	18283.98	1	3918.21	2.5522	0.0326	0.0	1.10E-04	5.74F-03	5.45E-02	2.24F-01	5.76E-01
10	<u>6</u>	63	80	23236.26		3918.29	2.5521	0.0303	0.0	0.0	3.42E-06	6.61E-05	4.36E-04	1.57E-03
6	4		62	23277.50	1	3918.31	2.5521	0.0303	0.0	2.08E-06	3.59F-04	6.99E~03	4.64F-02	1.68E-01
		. <u>11</u> 58	. <u>12</u> . 59.	8508-98	2	<u> 3918•42</u>	2.5520	0.0617	3.55E-05	1.25E-03	6.20E-03	1.44E-02	2.32F-02	3.05E-02
4				6728.75	1	3918.45	2.5520	0.0303	1.10E-02	1.64F-01	5.35E-01	9.64E-01	1.31F 00	1.52E 00
	<u>2</u>		. <u>22</u>	6066.97	≟	3918.53	2.5520	0.0331	1.12E-03	1.22E-02	3.37E-02	5.51E-02	7.01E-02	7.80E-02
8	6	19		10227.75	2	3918-62	2.5519	0.0603	00	3.01E-05	2.26E-04	6.72E-04	1.27E-03	1.89E-03
	7	<u>.</u>	. <u>18</u>	12792.23	~~~~	3918.77	2.5518	0.0552	0.0	7.29E-05	1.01F-03	4 - 36E-03	1.06E-02	1.86E-02
				14549.82	1	3918.84	2.5518	0.0623	1.05F-06	6.68E-04	1.42E-02	7.87E-02	2.26F-01.	4.50E-01
²	<u> </u>	4 <u>7</u>	48	4291.95	2	3919.03	2.5517	0.0303	3.26E-03	1.52E-02	2.74F-02	3.47F-02	3.72E-02	3.67E-02
• • •	,	88	87	27869.71	1	3919.16	2.5516	0.0303	0.0	0.0	1.71E-05	6.44E-04	6.64E-03	3.30E-02
10	8	5 <u>4</u>	. 33	18400.75		3919.32	2.5515	0.0321	0.0	1.02E-04	5.47E-03	5.285-02	2.20E-01	5.70E-01
	8		61	23062.32	1	3919.43	2.5514	0.0303	0.0	2.50E-06	4.09E-04	7.73E-03	5.035-02	1.795-01
	4.	. 27	28	9914.69	1	3919.59	2.5513	0.0379	9.68E-04	6.69F-02	4.68F-01	1.33E 00	2.45E 00	3.56E 00
7	1	51	52	7346.91	1	3919.66	2.5512	0.0303	1 .25F-02	2.52F-01	9.52E-01	1.87E 00	2.70F 00	3.28E 90
	5 8	17	18	11079.05	1	3650.86	2.5509	0.0568	1.74E-04	2.10E-02	1.94F-01	6 • 54F-01	1.35E 00	2-12E 00
		35	34	18521.00	1	3920.35	2.5508	0.0317	0.0	9.44E-05	5.20F-03	5.11E-02	2.15E-01	5.62E-01
5		124		35234.96	_ 1	3920.35	2.5508	0.0303	0.0	0.0	0.0	6.90E-06	1.44F-04	1.19F-03
10	8	61	60	22850.43	1	3920.47	2.5507	0.0303	0.0	3.00E-06	4.66E-04	8.54E-03	5.44E-02	1.91E-01
	6	80	79	22969.40	. ــــــــــــــــــــــــــــــــــــ	3920.53	2.5507	0.0303	0.0	0.0	4.07E-06	7.56F-05	4.87F-04	1.72F-03
	1	39	40	5068.50	2	3920.90	2.5504	0.0303	2.80E-03	1.89E-02	4 - 1 2F - 02	5.83E-02	6.74E-02	7.00F-02
<u>8</u> _	6	20 114	19.	12858.20		3920.92	2.5504	0.0535	0.0	7 • 24E-05	1.02E-03	4.44E-03	1.085-02	1 - 92E-02
10				33068.48	1 .	3920.96	2.5504	0.0303	0.0	0.0	0.0	2.89E-05	4.91F-04	3.48E-03
10	<del>8</del>	36	_35_	18644.73		3921.31	2.5502	0.0312	0.0	8.68E-05	4.92E-03	4.92E-02	2.105-01	5.53E-01
8		60	59	22641.83	1	3921.43	2.5501	0.0303	0.0	3.58E-06	5.29E-04	9.40E-03	5.87F-02	2.04E-01
*********	6 7	<u>5</u>	<u></u>	12539.99		3921.80	2.5498	0.0617	1-01E-05	2.46F-03	3.23F~02	1.34E-01	3.18E-01	5.52E-01
7	•	-	8	14578.61	1	3921.81	2.5498	0.0624	1.13E-06	7.35E-04	1.57E-02	8.76E-02	2.52E-01	5.04E-01
··· 7 -	3 5	21	22	7116.09	. 2	3921.86	2.5498	0.0496	3.02E-04	5.44E-03	1.94F-02	3.68E-02	5.18E-02	6-20E-02
-	_	_	1	10231.26	2	3922.00	2.5497	0.0606	0.0	6.03E-05	4.54E-04	1.35E-03	2.56E-03	3.79E-03
10		37	36 86	18771.94		3922.19	2.5496	0.0308	0.0	7.94E-05	4.64E-03	4.73E-02	2.04E-01	5.42E-01
<del>-</del>	ľ	87		27572.73	1	3922.27	2.5495	0.0303	0.0	0.0	2.08F-05	7.52E-04	7.54E-03	3.66E-02
10	<u></u> 8	59	<u> 58</u>	22436.54	1	3922.32	2.5495	0.0303	0.0	4.26E~06	6.00E-04	1.04E-02	6.34F-02	2-17E-01
e e		102		30534.46	1	3922.46	2.5494	0.0303	0.0	0.0	2.49E-06	1.38E-04	· 1 • 84E-03	1.09E-02
	4	10	_ 11	8466.48	2	3922.68	2.5493	0.0625	3 • 4 8E-05	1.20E-03	5.89E-03	1.36E-02	2 . 1 8E-02	2.86E-02
8	6	79	78	22705.59	2	3922.70	2.5493	0.0303	0.0	0.0	4.83E-06	8.64E-05	5.42E-04	1.89E-03
8		21	20	12927.62	2	3923.00	2.5491	0.0515	0.0	7.15E-05	1.03E-03	4.50E-03	1.11E-02	1.97E-02
10	8	36	37	18902.61	1	3923.00	2.5491	0.0303	0.0	7.24E-05	4.37E-03	4.54E-02	1.98E-01	5.31E-01
10	8	58_	57	22234.55	1	3923.13	2.5490	0.0303	0.0	5.06E-06	6.78E-04	1-14E-02	6.83E-02	2.30E-01
10	8	39	38	19036.74	1	3923.73	2.5486	0.0303	0.0	6.57F-05	4.10E-03	4.34E-02	1.92E-01	5.19E-01
10_	8	_ 57 .	56_	22035.89	1	3923.85	2.5485	0.0303	0.0	5.98F-06	7.65E-04	1.25E-02	7.35E-02	2-44E-01
4	2	- 9E -	15	5952.17	2	3924.10	2.5484	0.0335	t - 28E-03	1.32F-02	3.56E-02	5.72E-02	7.20E-02	
. 5	3	35	36	8830.47	1	3924.16	2.5483	0.0312	3.76E-03	1.55E-01	B.34E-01	2.03E 00	3.38E 00	7.95F-02 4.54E 00

·	<b>`</b> vù ''''	VL.	ÚĽ	JË"	"LOWFR	CODE	WAVE`	WAVE	HALF		******	** INTEGRATE	D ** ABSORI	PTION ** CO	EFFICIENT *	***
		-			STATE		NUMBER	LENGTH	WIDTH				CM*GI			
					ENERGY		CM-1	MICRON	HS		T = 1000	T = 1500	T = 2000	T = 2500	T = 3300	T = 3500
												• •		-		
		_			3037 05		7.004.46	0 5407	0 0707		0.045.07	0.445.01		0 775 00	3.56E 01	4.52F 00
	. 4	- <u>2</u> ,	43	44 39	7973.35	1	3924.16	2.5483	0.0303		9+04F,-03,	2.46F-01 5.95F-05	1.08E 00 3.83E-03	2.33F 00 4.13F-02	1.85F-01	5.06F-01
	10		56	55	19174.33 21840.56	1	3924.39	2.5482 2.5481	0.0303		0.0	7.050-06	B.61E-04	1.365-02	4.80E-05	2.59F-01
	10	9	10	9		1	3924.50	2.5480			•	7.06E-74		9.615-05		
	9				14610.99	_	3924.71	-	0.0524		1.21F~06	0.*0 \.*0	1.72F-02 5.72E-06	9.865-05	2.78F-01 6.03F-04	5.56F-01 2.06F-03
	8	6	78	77.	22444.85	- 2 -	3924.79	2.5479	0.0303		0.0	- 4 -				
	10	8	41	40	19315.37	1	3924.97	2.5478	0.0323		0.0	5.358-05	3.57F-03	3.035-02	1.785-01	4.03F-01
	8	6	22	21	13000.48	2	3925.01	2.5478	0.0496		ŭ•ŭ	7.02F-05	1.436-43	4.556-23	1.12F-^2	2.015-02
	10	8	55	54	21648.56	1	3925.18	2.5477	0.0303		0.0	8.28F-06	9.66F-04	1.49F-32	8.45F-12	2.74F-01
	7	5	16	17	11013.12	1	3925.09	2.5477	0.0585		1.81F-04	2 • 1 3F-72	1.93F-01	6.45F-01	1.325 00	2.06F 00
	6	4	26	27	9811.48	1	3925.13	2.5477	0.0398		1.096-03	7.16F-02	4.885-01	1.376 00	2.5CE 00	3.60E 00
	9	7	86	85	27278.79	1.	3925.29	2.5476	0.0303		0.0	δ <b>÷</b> 3	2.53F-05	8.765-04	8.575-03	4.07F-02
	7	ŝ	3	2	10238.29	2	3925.31	2.5476	0.0609		1.32F-06	9.046-05	6+81F-04	\$ • 43E-43	₹.855-03	5.70F-03
	10	8.	, 42 ·	41	19459.85	1,	3925.48	2.5475	, 0.0303		0.0	4.80F-05	3.315-03	3.73F-02	1 • 72F - 1	4.78E-01
	10	8	54	53	21459.91	1	3925.57	2.5474	0.0303		0.0	9.70F-06	1.086-03	1.62F-72	0.NAE-05	2.89F-01
	2	0	46	47	4117.99	2	3925.63	2.5474	0.0303		4.12F-03	1.76F-02	3.066-05	3.775-02	₹•₽₽₽~↑₽	3.485E-√S
	8	6	4	5	12518.18	1	3 925.78	2.5473	0.0614		8.73F-06	2.11E-^3	2.75E-02	1.145-01	2.695-11	4.67F-01
	10	8	43	42	19607.77	1	3925.91	2.5472	0.0303		0.0	4.29F-05	3.07E-03	3.52E-^2	1.656-01	4.546-01
	10	8	53	52	21274.62	1	3925.99	2.5471	0.0303		0.0	1.130-05	1.216-03	1.765-02	0.64#→00	3.045-01
	2	0	57	58	6506.95	1	3926.11	2.5471	0.0303		1.495-02	2.015-01	6.20E-01	: . 09F 00	1.44F 00	1 ቀልማም የየ
ယ္	7	5	113	112	32689.35	í	3926.20	2.5470	0.0303		9.0	r•0	0.0	3.555-05	5.81F-24	4 • ^1 F = 03
51	10	8	44	43	19759-12	1	3920.26	2.5470	0.0303		0.0	3.82F-05	2,975-07	3.32F-^2	1.595→^1	4.48F-01
	10	8	52	51	21092.69	1	3926.32	2.5469	0,40303		0.0	1.315-05	1.34F-03	1.015-02	1.036-01	3.50E-01
	6		123	122	34825.16	1	3926.42	2.5468	0.0303		0.0	0.0	0.0	8.61F-16	1.735-04	1.385-03
	10	8	45	44	19913.90	1	3926.54	2 5468	0.0303		0.0	3.396-05	2.61E-03	3.135-02	1.50E-01	4.336-01
	10	8	51	50	20914.12	1	3926.59	2.5467	0.0303		0.0	1.52F-05	1.405-03	2.065-02	1.005-01	3.765-01
	8			100	30192.72	, <u> </u>	3926.70	2.5467	0.0303	-	0.0	2.0	3.13F-06	1.658-04	2.135-03	1.24F-02
	10	8	46	45	20072.09	1	3926.74	2.5466	0.0303		0.0	2.996-05	2.305-03	2.04F-^2	1 • 4 3 = - 0 1	4.17F-1
	10	ě	50	49	20738.93	i	3926.77	2.5466	0.0303		0.0	1.758-05	1.645-03	2.22E-32	1-166-01	3.525-21
	5	3	20	21	7037.61	2	3926.78	2.5466	0.0515		3.24E-04_		1.975-12	3.70F-02	5.16F-02	6-145-02
	ä	6	77	76	22187 18	2 2	3926.81	2.5466	0.0303		0.0	7.0	6.7°E-06	1 12F-^4	6.705-04	2.255-03
			50	51	7152-25		3926.94	2.5466	0.0303		1.635-02	2.99F-01	1.086.00	2.075.00	2.02F 00	3.50F 00
	10	. <u>1</u>	47	P 38	20233.70	1.					0.0	2.63F-05	S*15E-03	2.758-02	1.36F-01	4.016-01
			97	46		1	3926.86	2.5466	0.0303			1.135-03			5.03E-05	2.655-02
	6	4		10	8427.51	2	3926.87	2.5466	0.0524		3.36F-05		5.535-03	1.276-02		
	10	8	49	48	20567-13	1	3926.88	2.5466	0.0303		0.0	2.025-05	1.81F-03	2.305-02	1.225-01	3.68F-11
	10	8	48	47	20398.72	1	3926.91	2,5465	0.0303		0.0	2+31F-05	1.09F~03	2.57F-^2	1,20F-01	3.62E-01
	8	6	23	22	13076.80	2	3920.95	2.5465	0.0476		0.0	6.85F-05	1.02F-03	4.57F-03	1 + 145-92	2.056-02
	. 3	1	38	39	4924.21	2	3 926 • 99	2.5465	0.0303		3.376-03	2.125-02	4.486-02	6.21F-02	7.07F-12	7.285-12
	9	7		10	14646.97	1	3927.53	2.5461	0.0625		1.275-06	8.51F-04	1.855-02	1 • 045-01	3.92F-01	**veE=u1
	9	7	23	_84	26987.90	1	3928.23	2.5457	0.0303		e•0	7.º O	3.066-08	1.02F-03	0.655-03	4.505-02
	7	5	4	3	10248.82	2	3928.56	2.5455	0.0611		1.48F-06	1.20F-04	9,175-04	2.71E-03	5∎14፫⇔ሳ3	7.62F-03
	8	6	76	75	21,932.59	2	3928.75	2.5453	F0 E0 • 9		7.0	^•¢	7.95F-06	1.275-04	7.43F-04	2.455-03
	8	6	24	23	13156.57	2	3928.83	2.5453	0.0457		0.0	6.66F-05	1.016-03	4.59F-13	1.155-72	5.04E-05
	4 À	. 2	29	ູ30 ຸ	5840.91	2	3929.61	2.5448	0.0340		1.46F-03	1 - 4 3E-02	3.755-02	5.03F-02	7 • 39=-12	8.00=-05
		΄6	3.	* ` 4	12500.01	1	3929.70	2.5447	0.0511		7.205-06	1.728-03	5.24F-75	9.255-12	2.19F-71	3.785-01
	7	5	15	16	10950-85	1	3925.86	2,5446	0.0591		1.885-04	2.13F-02	1.915-01	K.73F-^;	1.20= 02	5.00F 00
	5	3	34	35	8696.97	1	3930.26	2.5444	0,0317	-	4.456-63	1.72F-01	8.966-01	2.14F CC	ጓ∙51୮ ሰኅ	4.69፫ ሰቦ
	9	7	12	11	14686.54	1	3930.28	2.5443	0.0517		1.32F-06	8.085-04	1 • 97F-02	1-125-11	3.255-01	6.54F-01
	6	4	25	26 ~	9711.93	1	3930.60	2.5441	0.0418		1.225-03	7.63F-02	5.085-01	1.41E 00	2.54F 30	3.63F 00
	8	6	75	74	21681.10	2	3930.61	2.5441	0.0303		0.0	0.0	9.355-16	1 . 445-04	8.22F+04	2.67F+03
* • •	8	6	25	24	13239.77	2 '	3930.64	2.5441	0.0437		0.0	6.44E-15	9.965-04	4.575-03	1.165-02	2.10=-02
	4	2	42	43	7809.34	1	3930.80	2.5440	0.0303		1.12F-02	2.836-01	1.19F 00	2.51F 00	3.79F 00	4.755 00
•	a	6	100	99	29853.86	1	3930.86	2 5440	2.0323		0.0	n n	3.03F-16	1.075-04	2.46F-03	1.00=-02
	6	4	8	9	8392.08	2	3931.70	2.5439	0.0524		3.195-05	1.065-03	5.136-03	1.175-02	1.865-02	2.435-02

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE	WAVE	HALF	*****	* INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		NUMBER CM-1	LENGTH MICRON	H2 WIDTH	T = 1000	T = 1500	CM*G T = 2000	M-I T = 2500	T = 3000	T = 350
9	7		<b>E3</b>	26700.09		3931.09	2.5438	0.0303	0.0	0.0	3.70E-05	1.18E-03	1.09E-02	4.98E-0
7		112		32312.95		3931.34	2.5437	0.0303	0.0	0.0	0.0	4.34E-05	6.86E-04	4+61F-0
<u>5</u>		19	20	6962+68		3931.64	2.5435	0.0535	3.46E-04	5.79E-03	1.99E-02	3.70E-02	5.13E-02	6.076-0
-	5	5 45	4	10262.87		3931.75	2.5434	0.0614	1.835-06	1-49E-04	1.13E-03	3.38E-03	6.42F-03	9.53F-0
2 8	6	26	46 25	3947.55 13326.42		3932.17	2.5431	0.0303	5.17E-03	2.04E-02	3.40E-02	4.09E-02	4 • 25E-02	4.09E-0
8	6		73	21432.71		3932.37 3932.40	2.5430	0.0418	0.0	6.19E-05	9.78E-04	4.55E-03	1.16E-02	2.12E-0
6	4			34417-95		3932.41	2.5430	0.0303 0.0303	0.0	0.0	1.10E-05	1.63E-04	9.08E-04	2.89E-0
9	7	13	12	14729.70		3932.96	2.5426	0.0610	1.35E-06	0.0 .9.39E-04	0.0	1.07E-05	2.07E-04	1.615-0
3	<u> </u>	37	38	4783.45		3933.02	2.5426	0.0303	4.04E-03	2.38E-02	2.08E-02 4.85E-02	1 • 19E-01 6 • 58E-02	3.47E-01	7.00E-0
8	6	2	3	12485.47		3933.54	2.5422	0.0609	5.54E-06	1.32F-03	1.70E-02	7.03E-02	7.41E-02 1.66E-01	7.55E-0
2	0	56	57	6288.75		3933.70	2.5421	0.0303	2.01E-02	2.44E-01	7.16F-01	1.21E 00	1.58E 00	2.87E-0
9	7	83	82	26415.37		3933.87	2.5420	0.0303	0.0	0.0	4.47E-05	1.37E-03	1.33E-02	5.51E-0
3	1	49	50	6961.20		3933.96	2.5420	0.0303	2.11E-02	3.54E-01	1.22E 00	2+27E 00	3.15E 00	3.73E
. 8	6	27	26	13416.50		3934.04	2.5419	0.0398	0.0	5.93E-05	9.57E-04	4.50E-03	1.16E-02	2.14E-0
8	6	73	72	21187.44	2	3934.12	2.5419	0.0303	0.0	0.0	1.28E-05	1 .84E-04	1.00E-03	3.14E-9
7	5	14	15	10892.23	1	3934.56	2.5416	0.0597	1.92E-04	2-13E-02	1.88E-01	6-17E-01	1.25E 00	1.93E
7	5		5	10280.43	2	3934.87	2.5414	0.0617	2.15E-06	1.77E-04	1.35E-03	4.03E-03	7.69E-03	1-14E-
8	6		98	29517.91	1	3934.94	2.5413	0.0303	0.0	0.0	4.92E-06	2.35E-04	2.84F-03	1.585-
9 6 7 4	4	7	8	8360.19		3935.06	2.5413	0.0623	2.99E-05	9.77E-04	4.69E-03	1.07E-02	1.69E-02	2.20E-0
	2	28	29	5733.20		3935.06	2.5413	0.0359	1.66E-03	1.54E-02	3.94E-02	6 • 13E-02	7.56E-02	8 . 2 ZE -
9	7	14	13	14776.45		3935.57	2.5409	0.0504	1.36E-06	9.72E-04	2+18E-02	1.25E-01	3.67E-01	7.43E-
8	6	28	27	13510.01		3935.64	2.5409	0.0379	0.0	5.65E-05	9.33E-04	4.45E-03	1.16E-02	2.14E-
8	6	72	71	20945.30		3935.76	2.5408	0.0303	0.0	0.0	1.49E~05	2.08E-04	1.10E-03	3.40E-0
<u>     6                               </u>	4	24	25	9616.03		3936.01	2.5406	0.0437	1.35E-03	8.08E-02	5.26E-01	1.44E 00	2.57E 00	3.65E
5	3		34	8567.12		3936.29	2.5405	0.0321	5.23E-03	1.90E-01	9.60E-01	2.25E 00	3.65E 00'	4 . B2E
7		111		31939.30		3936.41	2.5404	0.0303	0.0	0.0	0.0	5.306-05	8.08E-04	5.305-0
5	3		19	6891.30		3936.43	2.5404	0.0552	3.66E-04	5.92E-03	2.00E-02	3.68E-02	5-,07E-02	5.97E-0
9 8	7		81	26133.74		3936.56	2.5403	E0E0•0	0.0	0.0	5.37E-05	1.58E-03	1.38E-02	6.08E-0
8	6	29· 1	28	13606.95		3937.17	2.5399	0.0359	0.0	5.35E-05	9.05E-04	4.38E-03	1.15E-02	2.14E-
	<u></u> 6		70	12474.57		3937.31	2.5398	0.0606	3.77E-06	8.90E-04	1.15E-02	4.73E-02	1.12E-01	1 • 93E
4	2		42	20706.29		3937.32	2.5398	0.0303	0.0	0.0	1.74E-05	2.34E-04	1.21E-03	3.67E-
7	5		6	7648-97 10301-50		3937.38	2.5398	0.0303	1.39E-02	3.24E-01	1.31E 00	2.70E 00	4.01E 00	4.98E
9	7		14	14826.79		3937.92	2.5394	0.0620	2.45E-06	2.03E-04	1.56E-03	4.68E-03	8.93E-03	1.33E-
7			92	24842.27		3938-11	2.5393	0.0597	1.37E-06	9.97E-04	2.27E-02	1.31E-01	3.86E-01	7.846-
6	_	121		34013.35		3938.29 3938.30	2.5392 2.5392	0.0303	0.0	0.0	0.0	2.42E-05	1 -87E-04	7.52E-0
8	6		29	13707.32		3938.63	2.5392	0.0303	0.0	0.0	0.0	1.33E-05	2,47E-04	1.87E-
. 2	ō	44	45	3780.65		3938.65	2.5389	0.0303	6.46E-03	5.06E-05 2.35E-02	8.76E-04	4.30E-03	1-14E-02	2.14E-
8	6		69	20470.42		3938.81	2.5388	0.0303	0.0	0.0	3.76E-02	4.43E-02	4.53E-02	4.31E-
8	6	98	97	29184.87		3938.93	2.5388	0.0303	0.0	0.0	2.02E-05 6.15E-06	2 62E-04	1.33E-03	3.96E-0
3	1	36	37	4646.24		3938.99	2.5387	0.0308	4.81E-03	2.65E-02	5.23E-02	2 • 80E 04 6 • 97E 02	3.28E-03 7.74E-02	1.78E-
6	4	6	7	8331.84		3939.06	2.5387	0.0620	2.73E-05	8.82E-04	4.21E-03	9.53E-03	1.51E-02	1.965-0
9	7	81	80	25855.22		3939.18	2.5386	0.0303	0.0	0.0	6.45E-05	1 -82E-03	1.55E-02	6.69E-
7	5	13	14	10837.26		3939.20	2.5386	0.0604	1.95E-04	2.10E-02	1.83E-01	5.97E-01	1.20E 00	1.86E
8	6	31	30	13811.11		3940.03	2.5381	0.0335	0.0	4.76E-05	8.45E-04	4.21E-03	1.13E-02	2.13E-0
8	6	69	68	20237.70		3940.23	2.5379	0.0303	0.0	0.0	2.34E-05	2.93E-04	1.45E-03	4.276-
4	2	. 27	28	5629.04		3940.44	2.5378	0.0379	1.87E-03	1.65E-02	4.12E-02	6.32E-02	7.72F-02	8.33E-0
9	7	- 16	15	14880.71	1	3940.57	2.5377	0.0591	1.36E-06	1.02E-03	2.34E-02	1.36E-01	4.04E-01	8.23E-
7	5	6	7	10326.08	2	3940.90	2.5375	0.0623	2.72E-06	2.28E-04	1.76E-03	5.30E-03	1.02E-02	1.51E-0
3	1	48	49	6773.78		3941.02	2.5374	0.0303	2.72E-02	4-17E-01	1.37E 00	2.49E 00	3.40E 00	3.97E
8	6	0	1	12467.30	1	3941.02	2.5374	0.0603	1.91E-06	4.50E-04	5.808-03	2.39E-02	5.62E-02	9.71E-0
5	3	17	18	6823.48	2	3941.17	2.5373	0.0568	3.84E-04	6.01E-03	2.00E-02	3.64E-02	4.99E-02	5.84E-0

VU	٧L	Jυ	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT	ED ** ABSOR	PTION ** CO	EFFICIENT *	******
***	*-	•••	-	STATE		NUMBER	LENGTH	WIDTH			CM+G			
				ENERGY		CM-I	MICRON	H2	T = 1000	T = 1500		T = 2500	T = 3000	· T = 35
2		55	56	6074.14	1	3941.22	2.5373	0.0303	2.70E-02	2.96E-01	8.25E-01	1.35E 00	1.73E 00	1.92E
6	4	23	24	9523.78		3941.35	2.5372	0.0457	1.49E-03	8.52E-02	5.43E-01	1.46E 00	2.60E 00	3.66E
8	6	32	31	13918.32		3941.35	2.5372	0.0331	0.0	4.46E-05	8.13E-04	4.11E-03	1 - 1 1 E-02	2.125-
<del>-</del>				31568.43		3941.38	2.5372	0.0303	0.0	0.0	1.01E-06	6.47E-05	9.51E-04	6.08F-
7	5	92	91	24536.65		3941.42	2+5372	0.0303	0.0	0.0	1.22E-06	2.84E-05	2.12E-04	8.38E-
8	6	68	67	20008-15	2	3941.57	2+5371	0.0303	0.0	0.0	2.70E-05	3.28F-04	1.59E-03	4.50E-
9	7	80	79	25579.82	1	3941.71	2.5370	0.0303	0.0	0.0	7.72E-05	2.10E-03	1.74E-02	7.36E-
5	3	32	33	8440.93	1	3942.25	2.5366	0.0326	6.11E-03	2.08E-01	1.02E 00	5.36E 00	3.78E 00	4.95E
8	6	33	32	14028.93	2	3942.60	2.5364	0.0326	0.0	4 • 17E-05	7.80E-04	4.01E-03	1.09E-02	2.10F-
8	6	97	96	28854.77	1	3942.83	2.5362	0.0303	0.0	0.0	7.66E-06	3.33E-04	3.78E-03	2.01E-
8	6	67	66	19781.77	2	3942.84	2.5362	0.0303	0.0	0.0	3-11E-05	3.66E-04	1.73E-03	4.94E-
9	7	17	16	14938.22	1	3942+96	2.5362	0.0585	1.33E-06	1.035-03	2.40E-02	1.41E-01	4.20E-01	8 • 59E-
6	4	. 5	6	8307.03	2	3942.99	2.5361	0.0617	2.44E-05	7.78E-04	3.69E-03	8.33E-03	1.31E-02	1.70E-
7	5	12	13	10785.94		3943.76	2.5357	0.0610	1.96E-04	2.06E-02	1.78E-01	5.74E-01	1.15E 00	1.775
	6	34	33_	14142.96		3943.78	2 • 5356	0.0321	0.0	3.87E-05	7.45E-04	3.89E-03	1.07E-02	2.08E-
7	5	9	8	10354.17		3943.82	2.5356	0.0624	2.95E-06	2.51E-04	1.95E-03	5.90E-03	1.13E-02	1.69E-
4	2	40	41	7492.24		3943.90	2.5356	0.0303	1.70E-02	3.69E-01	1.44E 00	5.90E 00	4.24E 00	5.21E
8	6	66	65	19558.57		3944.03	2.5355	0.0303	0.0	0.0	3.57E-05	4.07F-04	1.89F-03	5.30E-
6		120		33611.38		3944.11	2.5354	0.0303	0.0	0.0	0.0	1.65E-05	2.95E-04	2.17F-
9	7	79	78	25307.56		3944.16	2.5354	0.0303	0.0	0.0	9.22E-05	2.41E~03	1.94E-02	8.09E-
7	5	91	90	24233.98		3944.48	2.5352	0.0303	0.0	0.0	1.49E-06	3.32E-05	2.41E-04	9.31F-
8	6	35	34	14260.39		3944.90	2.5349	0.0317	0.0	3.59E-05	7.09E-04	3.77E-03	1.05E-02	2.05E-
3	1_	35	36	4512.58		3944.90	2.5349	0.0312	5.70E-03	2.94E-02	5.62E-02	7.35E-02	8.06E-02	8.06F-
2	0	43	44	3617.28		3945.07	2.5348	0.0303	8.02E-03	2.70E-02	4-16E-02	4.78E-02	4.81F-02 2.05E-03	4.52E-
<u> </u>	6_	65	64	19338.57		3945.15	2.5348	0.0303	0.0	0.0	4.09E-05	4.51E-04 1.45E-01	4.34E-01	8.91E-
9	7	18	17	14999.30		3945.28	2.5347	0.0568	1.30E-06	1.03E-03 0.0	2.44E-02 0.0	4.17F-06	8.98E-05	7.54E-
5		129		35546.66		3945.48	2.5345	0.0303	0.0 2.10E-03		4.30E-02	6.50F-02	7.85E-02	8.43E-
4	2	26	27	5528-43		3945.77	2.5344	0.0398	4.00E-04	1.76E-02 6.07E-03	1.99E-02	3.59E-02	4.88E-02	5.70E-
5		16	17	6759-20		3945.83	2.5343	0.0585	0.0	3.31E-05	6.73E-04	3.64E-03	1.035-02	S+05E-
8	6	36	35	14381.22		3945.94	2.5343 2.5341	0.0312 0.0303	0.0	0.0	4.67E-05	5.00E-04	2.23F-03	6.06E-
8	6	64	63	19121.76		3946.19	2.5341	0.0303	0.0	0.0	1.29E-06	7.87F-05	1.12F-03	6.97E-
7	7	109		31200.33			2.5339	0.0303	0.0	0.0	1.10E-04	2.76E-03	2.17E-02	8.87E-
		78 22	<u>77</u> 23	25038,44 9435.20		3946.53 3946.62	2.5339	0.0303	1.63E-03	8.94E-02	5.57E-01	1.48E 00	2.61F 00	3.66E
	6	96	95	28527.61		3946.65	2.5338	0.0303	0.0	0.0	9.53E-06	3.95E-04	4.34E-03	2.26E~
- <u>8</u>	5	10	95	10385.77		3946.68	2.5338	0.0524	3.15E-06	2.73E-04	2.13E~03	6.48E-03	1.25E-02	1.87E-
6		4	5	8285•77		3946.86	2.5337	0.0614	2.11E-05	6.65E-04	3.14E-03	7.06E-03	1.11E-02	1.445-
8		37	36	14505-45		3946.91	2.5336	0.0308	0.0	3.04E-05	6.37E-04	3.51E-03	1.00E-02	1.99E-
8	6	63	62	18908-16		3947.16	2.5335	0.0303	0.0	0.0	5.33E-05	5.53E-04	2.41E-03	6.47E-
7	5	90	89	23934.27		3947.46	2.5333	0.0303	0.0	0+0	1.81E-06	3.87E-05	2.73E-04	1.03E-
9	7	19	18	15063.96		3947.53	2.5332	0.0552	1.26E-06	1.035-03	2.47E-02	1.48F-01	4.46F-01	9.21F-
8	6	38	37	14633.06		3947.82	2.5330	0.0303	0.0	2.78E-05	6.01E-04	3.37E-03	9.75F-03	1.95E-
3	ĭ	47	48	6589.98		3948.02	2.5329	0.0303	3.48E-02	4.89E-01	1.54E 00	2.72E 00	3.65E 00	4.22E
8		62	61			3948.06	2.5329	0.0303	0.0	1.06E-06	6.06E-05	6.10E-04	2.61E-03	6.89E-
5	3	31	32	8318.38		3948.15	2.5328	0.0331	7.09E-03	2.28E-01	1.09E 00	2.47E 00	3.90E 00	5.07F
8	6	1	0	12463.66		3948.22	2.5328	0.0603	1.94E-06	4.56E-04	5.88E-03	2.42E-02	5.69E-02	9.83E-
7	5	11	12	10738-28		3948.26	2.5328	0.0617	1.95E-04	2.00E-02	1.70E-01	5.47E-01	1.09E 00	1.67E
8	6	39	38	14764.06		3948.65	2.5325	0.0303	0.0	2.53E-05	5.64E-04	3.23E-03	9.45E-03	1.91E-
2	ō	54	55	5863.14		3948.69	2.5325	0.0303	3-61E-02	3.58F-01	9.48E-01	1.51E 00	1.89F 00	2.07E
9	7	77	76	24772.47		3948.82	2.5324	0.0303	0.0	0.0	1+31E-04	3.15E-03	2.425-02	9.71E-
e	6	61	60	18490-61		3948.88	2.5324	0.0303	0.0	1.26E-06	6.87E-05	6.71E-04	2.81E-03	7.33E-
8	6	40	. 39	14898.44		3949.41	2.5320	0.0303	0.0	2.29E-05	5.29E-04	3.08E-03	9.15E-03	1.87E-
7		11	10	10420-87		3949.46	2.5320	0.0625	3.32E-06	2.92E-04	2.30E-03	7.03E-03	1.36E-02	2.04E-

VI	J .	VL 	Ju	JL,	LOWER STÂTE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORI CM*G		EFFICIENT *	*****
					ENERGY	,	CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	3	6	60	59	18286.68	2	3949.63	2.5319	0.0303	0.0	1.49E-06	7.77E~05	7.37E-04	3.03E-03	7.78E-03
-	9	7	20	19	15132.20	1	3949.71	2.5318	0.0535	1.21E-06	1.02E-03	2.495-02	1.50E-01	4.57E-01	9+48E-01
	5		119		33212.05	_1	3949.83	2.5318	0.0303	0.0	0.0	0.0	2.04E-05	3.52E-04	2.52E-03
	8	6	41	40	15036.20	2	3950.10	2.5316	0.0303	0.0	2.07E-05	4.94E-04	2.94F-03	8.83E-03	1.82E-02
	<u> </u>	_6	59	58	18085-99	_ 2	3950.31	2.5314	0.0303	0.0	1.77E-06	8.785-05	8.09E-04	3.26E-03	8.27E-03
	4	2	39	40	7339.16	1	3950.35	2.5314	0.0303	2.08E-02	4.18E-01	1.58E 00	3.10E 00	4.47E 00	5.43E 00
	<u> </u>	5	89	88	23637.53	2	3950.36	2.5314	0.0303	0.0	0.0	2.20E-06	4 - 51 E-05	3.10E-04	1.15E-03
	3	6	95	94	28203.41	į.	3950.39	2.5314	0.0303	0.0	0.0	1.18E-05	4 • 68E-04	4.99E-03	2.53F-02
	5	3	15	16	6698•49		3950.44	2.5314	0.0591	4 • 13E-04	6.09E-03	1.96E~02	3.52E-02	4.76E-02-	5.53E-02
	5	4	3	4	8268.04	2	3950.67	2.5312	0.0611	1.74E-05	5.43E-04	2.55E-03	5.73E-03	9.01E-03	1-17E-02
	9	_6	42	41	15177.32	_ 2	3950.72	2.5312	0.0303	0.0	1.87E-05	4.60E-04	2.79E-03	8.51E-03	1.77E-02
	3	1	34	35	4382-47	2	3950.75	2.5312	0.0317	6.71E-03	3.26E-02	6.03E-02	7.74E-02	8.38E-02	8.31E-02
	3	6	58	57	17888.55	2	3950.91	2.5311	0.0303	0.0	2-10E-06	9.89E-05	8-86E-04	3-51E-03	8.77F-03
	9	7	76	75	24509.67	1 '	3951.02	2.5310	0.0303	0.0	0.0	1.55E-04	3.60E-03	2.69E-02	1.06E-01
	<u> </u>	2	25	26	5431.39	_2	3951.03	2.5310	0.0418	2.33E-03	1.87E-02	4.46E-02	6.66F-02	7.97F-02	8.49E-02
	7			107	30835.03	1 '	3951.08	2.5310	0.0303	0.0	0.0	1.66E-06	9.575-05	1.31E-03	7.98F-03
	9	6	43	42	15321.80	2	3951.27	2.5308	0.0303	0.0	1.67E-05	4.27F-04	2 • 64E-03	8.18E-93	1.72F-02
	3	6	57	56	17694.37		3951.44	2.5307	0.0303	0.0	2.47E-06	1.11E-04	9.69E-04	3.76E-03	9.29E-03
	2	0	42	43	3457.45	2	3951.44	2.5307	0.0303	9.91E-03	3.09F-02	4.58E-02	5-14E-02	5-10E-02	4.74E-02
٤		6	2	1	12467.30	1	3951.71	2.5306	0.0606	3.89E-06	9.15F-04	1.18E-02	4.86F-02	1.14E-01	1.98F-01
	3	_6_	44	43	15469.65	2.	3951.75	2.5305	0.0303	0.0	1.50E-05	3.95E-04	2.50E-03	7.84E-03	1.66E-02
9		7	21	20	15204.01	1	3951.81	2.5305	0.0515	1.15E-06	1.00E-03	2.50E-02	1.52E-01	4.66F-01	9.71E-01
	5	4	21	22	9350.27	1	3951.83	2.5305	0.0496	1.77E-03	9.32E-02	5.70E-01	1.50E 00	2+61F 00	3.65₽ 00
	3	6	56	55	17503.45	2	3951.90	2.5304	0.0303	0.0	2.90E-06	1.25E-04	1.06E-03	4.03F-03	9.82F-03
	5			127	35119.70	1	3951.96	2.5304	0.0303	0.0	0.0	0.0	5.25E-06	1.09F-04	P.85F-04
		6	45	44	15620.85	2	3952.16	2.5303	0.0303	0.0	1.33E-05	3.65E-04	2.36E-^3	7.50E-03	1.61F-72
	<u> </u>	_5_	12	11	10459.48	_2	3952.18	2.5302	0.0617	3.44E-06	3.08E-04	2.45E-03	7.545-93	1.46F-02	2.20E-02
	3	6	55	54	17315-80	2	3952.29	2.5302	0.0303	0.0	3.39E-06	1.39E-04	1.15F-03	4.316-03	1.04F-02
	3	6	46	45	15775.39	2	3952.49	2.5301	0.0303	0.0	1.18F-05	3.36F-04	2.22E-03	7+17F-03	1.55F-02
5		6	54	53	17131.43	2	3952.60	2.5300	0.0303	0.0	3.95E-06	1.556-04	1.25E-03	4.59F-03	1.09F-02
	<u>-</u>	5_	10	11_	10694.28		3952-69	2.5299	0.0625	1.91E-04	1.92E-02	1-62E-01	5.176-01	1.93E 20	1.57E 00
	-	6	47	46	15933.27	2	3952.76	2.5299	0.0303	0.0	1.04E-05	3.08E-04	2.08F-03	6.835-03	1.495-02
	3		53	52	16950.35	<u> </u>	3952.84	2.5298	0.0303	0.0	4.58E-06	1.73F-04	1.35E-03	4.89E-03	1.15F-02
		6	48	47	16094.49	2	3952.95	2.5298	0.0303	0 - 0	9.17E-06	2.82F-04	1.95F-03	์ 6∗49F-93ั	1.44F-02
<u>_</u>		<u>. 6</u> _	52	51	16772.57	2	3953.00	2.5297	0.0303	0.0	5.30E-06	1.925-04	1.465-03	5.20F-03	1.205-02
8	-	6	49	48	16259.04	2	3953.07	2.5297	0.0303	0.0	8.04E-06	2.57F-04	1.826-13	6 • 1 SE-03	າ ⊾ີສ່ຄ≓⊷ດ້ວ
	3	_6_	51	50	16598.08	2	3953.10	2.5297	0.0303	0.0	6 12E-06	2.12F-04	1.58E-03	5.51F-03	1.265-02
	9	6	50	49	16426.90	2	3953.12	2.5296	0.0303	0.0	7.03F-05	2.34E-04	1.70F-03		1.32F-02
·	<u>.</u>	. 7_	75	74	24250.05	- 1	_3953.15 .	2.5296 ,,	0.0303	0.0	0.0	1.835-04	4.19F-93	2.995-42	1.165-01
- 7	′	5	99	87	23343.78	2	3953.18	2.5296	0.0303	0.0	0.0	2.67E-06	5.25F-05	3.51E-04	1.28F-03
		7_	22	21_	15279.39	_ 1	3953.84	2.5292	0.0496	1.08E-06	9.83E-04	2.49F-02	1.545-01	4.73F-21	9.92F-01
5		3	30	31	8199.50	1	3953•99	2.5291	0.0335	8.18F-03	2.49F-01	1.156 00	2.57E 00	4.02F 00	5-185 00
8		_6	- 94	93	27862.18		3954.05	2.5291	0.0303		0.0	1.465-05	5.53E-04	5.72E-13	2.845-02
6	-	4	2	3	8253.86	2	3954.41	2.5288	0.0609	1.33F-05	4.15F-04	1.94E-03	4.35E-03	6.945-03	P.84F-03
. <u>'</u>		<u>5</u>	_13	- 12	10501.59	. ² .	3954.83	2.5286	0.0610_	3.53E-06	3.23F-04	2.59E-03	8.025-03	1.56F-02	2.365-02
3			46	47	6409.82	1	3954.95	2.5285	0.0373	4 • 4 4E-02	5.72E-01	1.73E 00 `	2.97F 10	3.92F 00	4.476 00
5			_14_	15	6641.34	2	_3954.98 _	2.5285	0.0597	4.22F-04	6.06F-03	1.93F-02	3.435-02	4.61E-02	5.33F-02
8		6	3	5	12474.57	1	3955.14	2.5284	0.0600	5+80E-06	1.37F-03	1.775-02	7.305-12	1.725-01	2.97F-^1
9	~~~		74	73	23993.62	¹	.3955·20.	2,5283	0 <u>-</u> 0303		,1.√0,5E~06	2.16E-04	4 • 65F-03	3.325-00	1.265-01
6			118		32815.40	1	3955.47	2.5281	0.0303	0.0	0.0	0.0	2.53E-^5	4.208-04	2.935-03
. 9		7	23	22	15358.34	1	3955.79	2.5279	0.0476	1.02E-06	9.57E-04	2.47F-02	1 • 54F+01	4.70F-01	1.01F 00
7	,		1 C 7		30472.55	1	3955.80	2.5279	0.0303	0.0	0.0	2.12F-06	1.166-04	1.54F-03	9.12F-03
	•	5		86	23053.02	2	3,955,93								

VU	VL	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT			EFFICIENT *	*****
				STATE		NUMBER	LENGTH	WIDTH		···_	CM*GI		<del></del>	
				ENERGY		C#-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 350
2	0	53	54	5655.77	1	3956.10	2.5277	0.0303	4.80E-02	4.31E-01	1.09E 00	1.68E 00	2.05F 00	2.23E 0
4	2	24	25	5337.91	2	3956.23	2.5277	0+0437	2.58E-03	1.98E-02	4.61E-02	6.79E-02	8.06E-02	8.54F-0
. 3	1	33	34	4255.91	2	3956.53	2.5275	0.0321	7.84E-03	3.58E-02	6.44E-02	8.12E-02	8.685-02	8.545-0
4	2	38	39	7189.73	<u> 1</u>	3956.74	2.5273	0.0303	2.52E~02	4.72E-01	1.72E 00	3.31E 00	4.70E 00	5.66F 0
6	. 4	20	21	9269.02	1	3956.97	2.5272	0.0515	1.90E-03	9.67E-02	5.79E-01	1.51F 00	2.61F 00	3.62F 0
7	5	9	10	10653.94	1	3957.05	2.5271	0.0624	1 -85E-04	1.82E-02	1.52E-01	4.63E-01	9.56E-01	1.46F 0
9	7	73	72	23740.39	1	3957.16	2.5271	0.0303	0.0	1.32F-06	2.54E-04	5.29E-03	3.67E~02	1.37E-0
7	5	14	13	10547.20	2	3957.42	2.5269	0.0604	3.58€-06	3.34E-04	2.71E-03	8+46E-03	1.65E~02	2.5CE-0
8	- 6	93	92	27563.95		3957.62	2.5268	0.0303	0.0	0.0	1.81E-05	6.53E-04	6.54E-03	3.18E-0
9	7	24	23	15440.84	1	3957.68	2.5267	0.0457	0.0	9.28E-04	2.44E-02	1.54F-01	4.83E-01	1.02F 0
2		41	42	3301.17	2	3957.74	2.5267	0.0303	1.22E-02	3.52F-02	5.03E-02	5.52F-02	5.39E-02	4.96E-0
6	4	1	2	8243.23	2	3958.09	2.5265	0.0606	9.07E~06	2.81E-04	1.31E-03	2.935~03	4.60E-03	5.95E-0
5		127		34695.28	1	3958.35	2.5263	0.0303	0.0	0.0	0.0	6.60E-06	1.31F-04	1.04F-0
8	6	4	3	12485•47	1	3958.49	2.5262	0.0611	7.66E-06	1 • 82E~03	2.36E-02	9.735-02	2.30E-01	3.97E-0
	5_	. 86	85	22765.26	2	3958.60	2 • 5261	0.0303	0.0	0.0	3.92F-06	7.08E-05	4.47F-04	1.56F-0
9	7	72	71	23490.38	1	3959.04	2.5259	0.0303	0.0	1.64E-06	2.98E-04	5.99E-03	4.06E-02	1.49E-0
5_	3	_13_	14	6587.74	2	3959.46	<u>2 • 5 2 5 6</u>	0.0604	4.28E-04	5.98F-03	1.88E-02	3.31E-02	4.43F-02	5.12F-C
9		25	24	15526.91	1	3959.48	2.5256	0.0437	0.0	8.94F-04	2.40E-02	1 • 54E-01	4.85E-01	1.03F 0
5	3	29	30	8084.29	_1	3959•76	2.5254	0.0340	9.38F-03	2.70F-01	1.22E 00	2.67E 00	4.12E 00	5.28E 0
7		15	14	10596.32	2	3959.94	2.5253	0.0597	3.59F-06	3.44F-04	2.825-03	8.86E-03	1.74F-02	2.64F-0
7		100		<b>30112∙89</b>	1	3960.43	25250	0 <u>.0303</u>		0.0	2.70E-06	1.41E-04	1.80F-03	1.04F-0
9		71	70	23243.58	1	3960.85	2.5247	0.0303	0.0	2.04E-06	3.48E-04	6.76F-03	4.48E-02	1.62F-0
6		117		32421.43	. 1	3961.05 "	2.5246	0.0303	0.0	9.9	0.0	3.13E-05	5.00E-04	3.395-0
8	6		91	27248.71	1	3961+10	2.5246	0.0303	0.0	0+0	2.23F-05	7.68E-04	7.47F-03	3.55E-0
	5	.65	84	22480.53		3961.20	2.5245	0.0303	0.0	0.0	4.73E-06	8.20F-05	5.04F-04	1.73E-0
9	7	26	25	15616.54	1	3961.22	2.5245	0.0418	0.0	8.58F-04	2+35E-02	1 •52F-^1	4.86E-01	1.04E 7
- 7	.5	8	,9	10617.26		3961.34	2.5244	0.0524	1.76F-04	1.71F-02	1.42E-01	4 . 46F -01	_ 8.80F-01_	1.34F 0
· ·	-	23	24	5247.99	2	3961.37	2.5244	0.0457	2.83F-03	2.08E-02	4.75F-02	6.40E-05	8.135-02	8.55F-0
6	<u></u>	0	<u> </u>	8236.14	<u> 2</u>	3961.70	2.5242	0.0603	4.60E-06	1.42F-04	6.625-04	1.48E-03	2.32F-03	3.00E-0
ë	6	5	4	12500.01	1	3961.78	2.5241	0.0614	9.43E-06	2.26F-03	2.93E-02	1.21E-01	2.87F-01	4.976-0
		45	46	6233.30		3961.82	2.5241	6.0303	5.63E-02	6.66F-01	1.93F 00	3.24F 00	4 - 1 OF 70	4.72E C
6	4	19	20	9191.44	1	3962.04	2.5240	0.0535	2.04F-03	9.97E-02	5.87E-01	1.51E 00	2.59F 00	3.58E 0
<del>3</del> -	. 1	_32 .	33	4132.93	.ž	3962 • 26	2.5238	0.0326	9.12F-03_	3.93F-02	_6.86F-02_	_3.49=-12 _	"'8* a8ĕ—Js''	<u></u> 8•755-0
,	5	16	15	10648.93	2	3962.39	2.5237	0.0591	3.57E-06	3.50E-04	2.92E-03	9.22F-03	1.825-02	2.78F-0
9		. 70 27-	_69	23000.01		3962-57	2.5236	0.0303		2.525-06	4.07F-04	7.62E-23	4•93E~02 .	]•75 <u>E</u> _0
4		37	26	15709.71	1	3962.98	2.5234	0.0398	υ·υ	8-18F-04	2.30F-02	1 • 51 F.→01	4.855-01	1.05E 0
·· <del>-</del>	2	- <u>3/</u> -	<u>38</u> 53	7043.96	·	3963.06	2.5233	0.0303	3.04E-02	5-31F-01	1.97F 00	3.52E 00	4.93F 00	5.88F 0
7	-		-	5452.01	1	3963.44	2.5231	0.0303	6.356-02	5.17E-01	1.24F 00	1.86= 00	5.53E UU	2.395 0
5	.5 3	84 12	83	22198.82	2	3963.71 3963.88	2.5229	0.0303	_ 0.0	2.0	5.69E-06	0.48F-05	5.67E-04	1.015-0
_	0	40	41	3148.44	2		2.5228	0.0610	4.29E-04	5.86E-03	1.82F-02	3-186-02	4,24F-02	4 + 88F-0
2 9	- 7-	69	68	22759.69	1 -	3963.98	2.5227	0.0303	1.49F-02	3.99F-02	5.50F-02	5-915-02	5-695-02	5.18F-0
9	7	38	27	15806.43	,		2.5226	0.0303	0.0	3.11F-06	4.73F-04	8.57E-03	5.425-05	1.89F-0
	~~;	- 5î'.	<del>- 5</del> 6	26936.49	***	3964.47	. 2.5224	_0.0379	. 0.0	7.77E-04	5.536-05	1.49F-01	4.825-01	1.055 1
		126		34273.40	•	3964.51	2.5224	0.0303 0.0303	0.0	h.h	2.74F-05	9.435-14	8.525-03	3.97F-C
<del>5</del>		17-	16.	10705.04	2	3964.77	2.5222	0.0585	0.0 3.52E-04	0.0 3.55F~04	0.0 2.99F-03	9.28E-26	1.595-04	1.225-0
7		105		29756.08	1	3964.77	2.5222	0.0555	3.52E-07	3.55F=04 0.0	7.43F-06	9.545-03	1.895-02	2.90F-0
, 8	6	6	5	12518.18	1 1	3964.99	2.5221	0.0317		· · · · · · · · · · · · · · · · · · ·	-	1.705-04	2.105-03	1.195-0
5			29	7972.75	1				1.116~05	2.685-07	3.50F-02	1.455-01	7.470-01	4.04E-7
7 7	~ 3 ~ 5	28 7	-29 -	10584.25	· vi · ·	3965.46	2.5212	0.0359	1.075-02		.1.28F ^^	2.75F 10	4.23" 30	5.375 0
ģ	7	68	67	22522.63	1	3965.57.	2.5217	0.0523	1.655-04	1.58F-02	1.20F-01	4.065-01	7.99F-11	1.215 0
9	7	29	28	15906.70	1	3965.98	2.5216 2.5214	0.0303	0.0	3.425-06	5.5°F-04	0.626-13	5.945-02	2.05F-0
7	5	83	82		2			0.0359	0.0	7.35F-04	2+160-02	1.46F-01	4.780-01	1.05F 0
	9	CJ	04	21920.16	~	3966.15	2.5213	0.0303	0.0	2.0	6 • ዓ ንዮ – ሳ ૯	1 • ^9F - ^4	6.375-04	P-10F-0

' vu'	VL.	'n,	JĽ	LOWFR	CODE	WAVE	WAVE	HALF	******	* INTEGRATE			EFFICIENT **	*****
				STATE		NUMBER		WIDTH			CM*GI			
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 5000	T = 2500	T = 3000	T = 3500
4	2	22	23	5161.65	2	3966.45	2.5211	0.0476	3.09E-03	2.18E-02	4.87E-02	6.99E-02	8.16F-02	8.54F-02
6	4	116	ĩ 15 T	~32030.IS	1	3966.48	2.5211	0.0303	0.0	0.0	0.0	3.87E-05	5.95E-04	3.93F-03
6	4	18	19	9117.53		3967.04	2.5208	0.0552	2.16E-03	1.02E-01	5 •91E-01	1.50E 00	2.57E 00	3.52E 00
7	5	18	17	10764.64	2	3967.09	2.5207	0.0568	3-44E-06	3.57E~04	3.05E-03	9.81E-03	1.96F-02	3.01E-02
9	7	67	66.	\$5588 · 85	1	3967.26	2.5206	0.0303	0.0	4.68E-06	6.37E-04	1.08E-02	6.51E-02	2.20E-01
9	7	30	29	16010.51	1	3967.42	2.5205	0.0340	0.0	6.91E-04	2.09E-02	1.43E-01	4.73E-01	1.04E 00
8	6	90	89	26627.30		3967.83	2.5203	0.0303	0.0	2.0	3.35E-05	1.06F-03	9.70F-03	4.42E-02
3	1	31	32	4013.51	5	3967.93	2.5202	0.0331	1.056-02	4.29E-02	7.27E-02	8.85E-02	9.26E-02	8.95E-02
8	6 3	7 11	6 12	12539.99	1 _	3968 • 14	2.5201	0.0650	1.26E-05	3.08E-03	4.04E-02	1.68E-01	3.99E-01	6.92E-01
7	5	82		6491.25		3968.23	2.5200	0.0617	4.25E-04	5.68F-03	1.74E-02	3.03E-05	4.02F-02	4+61E-02
3	1	44	45	21 644 55		3968.52	2.5198	0.0303	0.0	0.0	8-18F-06	1.26E-04	7.14E-04	2.31E-03
9	7	66	65	22058+29	•	3968.67	2.5198 2.5197	0.0303	7.09F-02	7.72E-01	2.14E 00	3.51E 00	4.48E 00	4.99E 90
6	4	1	0	8232-59		3968.72	2.5197	0.0303	0.0 4.68E-06	5.71E-06 1.44E-04	7.35E-04 6.71E-04	1.20E-02 1.50F-03	7.11E-02 2.35E-03	2.37F-01 3.03E-03
9	7	31	30	16117.86		3968.79	2.5197	0.0335	0.0	6.49E-04	2.01E-02	1.40E-01	4.68E-01	1.0AF 00
4	2	36	37	6901.85		3969.33	2.5193	0.0308	3.65E-02	5.958-01	2.02E 00	3.74E 00	5.16E 00	6.10E 00
7	5	19	18	10827.74		3969.34	2.5193	0.0552	3.33E-06	3.56E-04	3.10E-03	1.00E-02	2.02E-02	3.11E-02
7	5	104	103	29402.14	1	3969.45	2.5192	0.0303	0.0	0.0	4.36E-06	2.05E-04	2.45E-03	1.355-02,
7	5	6	7	10554.90	1	3969.72	2.5191	0.0520	1.51E-04	1.42E-02	1 - 1 6E-01	3.63E-01	7.12E-01	1.08E 00
9	7	65	64	21831.04	i	3969.99	2.5189	0.0303	0.0	6.95E-06	8.47E-04	1.34E-02	7.76E-02	2.55E-01
9	7	32	31	16228.73	. 1	3970.08	2.5188	0.0331	0.0	6.06E~04	1.93E-02	1.368-01	4.61E-91	1.03E 00
2	0	39	40	2999.27	2	3970.16	2.5188	0.0303	1.80E-02	4.51E-02	6.00E-02	6.31E-02	5.99F-02	5.40F-02
2	0	51	52	5251.89	1	3970.72	2.5184	0.0303	8.34E-02	6.17E-01	1.41E 00	2,06E 00	2.43E 00	2.56E 00
7	5	81	60	21372.00		3970.81	2.5184	0.0303	0.0	0.0	9.77E-06	1 - 45E-04	7.99E-04	2.54E-03
5	3	125	124	33854-11	. 1	3970-87	2.5183	0.0303	0.0	0.0	0.0	1.04E-05	1.90E-04	1.42E~03
8	6 3	62	88	26321-15		3971.07	2.5182	0.0303	0.0	0.0	4 • 1 1E-05	1.24E-03	1.11E-02	4.93F-02
5 8	6	27 P	28 7	7964-89		3971.10	2.5182	0.0379	1.21F-02	3.14E-01	1.34E 00	2.86E 00	4.33E 00	5.45E 00
a a	7	64	63	12565.43		3971.21 3971.24	2.5181	0.0623	1.40E-05	3.45E-03	4.56E-02	-1 + 90E01	4.53E-01	7.88E-01
•	7	33	32	16343.14	i -	3971.30	2.5181	0.0303	0.0	8.42E-06	9.73E-04	1.49E-02	8.45E-02	2.73E-01
4	2	21	22	5078.88	-	3971.47	2.5181	0.0326	3.35E-03	5.64F-04 2.27E-02	1.84E-02 4.97E-02	1.33E-01	4.53E-01 8.17E-02	1.02E 00
7	5	20	19	10894.32		3971.51	2.5179	0.0535	3.21E-06	3.54E-04	3.12E-03	7.05F-02 1.02E-02	2.07E-02	8.50E-02 3.21E-02
6	4	115	114	31641.59		3971.85	2.5177	0.0303	0.0	0.0	0.0	4.77E-05	7.07E-04	4.55E-03
6	4	17	18	9047.30	1	3971.98	2.5176	0.0568	2.28E-03	1.04E-01	5.92E-01	1.49E 00	2.53E 00	3.46E 00
6	4	2	1	8236.14	2	3972.14	2.5175	0.0606	9.36E-06	2.89E-04	1.35E-03	3.01E-03	4+72E-03	6-10E-03
9	7	63	62	21386.43	1	3972.41	2.5174	0.0303	0.0	1.02E-05	1.12F-03	1.66E-02	9.18E-02	2.92E-01
9.	7	34		16461.06		3972.44	2.5173	0.0321	0.0	5.22E-04	1.76E-02	1.28E-01	4 - 4 4E-01	1 • 01 E 00
5	3	10	11	6448.35	_	3972.52	2.5173	0.0625	4.17E-04	5.456-03	1.66E-02	2.86E-02	3.78E-02	4.32E-02
7	5	80	79	21102,53		3973.02	2.5170	0.0303	0.0	0.0	1.16E-05	1 • 66E-04	8.93E-04	2.796-03
9	7	62	61	21169.09		3973.49	2.5167	0.0303	0.0	1.23F-05	1.27E-03	1 • 83E-02	9.96E-02	3.12E-01
9	7	35	34	16582.50		3973.51	2.5167	0.0317	0.0	4.81E-04	1+67E-02	1.24E-01	4.34E-01	9.94E-01
3	1 5	30 21	31	3897.66		3973.53	2.5167	0.0335	1+21E-02	4+66E-02	7.69E-02	9.21E-02	9.52F-02	9-14F-02
7	5	5	20 6	10964.39		3973.63	2.5166	0.0515	3.06E-06	3.49F-04	3.13E-03	1.04F-02	2.11E-02	3.29F-02
7	ຈ 5	163	102	29051.07		3973.81 3973.92	2.5165	0.0617	1.35E-04	1.26E-02	1.02E-01	3.17E-01	6.21F-01	9.40E-01
á	6	9	8	12494.50		3974.21	2.5165	0.0303	0.0 1.52E-05	0.0	5.52E-06	2.47E-04	2.85E-03	1.54E-02
8	6	88	87	26018.06		3974 - 22	2.5162	0.0303	0.0	3.80E-03 0.0	5.05E-02	2 • 12F-01	5.05E-01	8.81E-01
9	7	36	35	16707.46	_	3974.50	2.5160	0.0312		4.42E-04	5.03E-05 1.58E-02	1.45E-03 1.20E-01	1.26E-02 4.23E-01	5.50E-02 9.77E-01
9	7	61	6 C	20955.06		3974.50	2.5160	0.0303	0.0	1.47E-05	1.45E-02	2.03E-02	1.08F-01	3.33E-01
7	<b>5</b>	79	78	20936.14		3975.16	2.5156	0.0303	0.0	0.0	1.38F-05	1.905-04	9.96E-04	3.05E-03
3	1	43	44	5891.22		3975.37	2.5155	0.0303	8.87E-02	8.92E-01	2.38E 00	3.80E 00	4.77E 00	5.25E 00
9	7	37	36	16935.92	1	3975 42	2.5155	0.0308	0.0	4.04504	1.49E-02	1.155-01	4.11E-01	9.59E-01
9	7	60	59	20744.37	1	3975.43	2 + 5 1 5 5	0.0303	0.0	1.76F-05	1.65E-03	2.24E-02	1 • 1 7F - 9 1	3.55E-01
							¥1.13		'			17.25_		

CARBON MONOXIDE

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				STATE		NUMBER	LENGTH	WIDTH			CM+Gf			
• -				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	•		_						1 105 05	4.33E-04	2.02E-03	4.53E-03	7.10E-03	9.18E-03
	6 4 4 2	3	2.~	8243-23		3975.48	2.5154	0.0609	1.40E-05 4.35F-02	6.64F-01	2.185 00	3.96E 00	5.39E 00	6.31E 00
			36	6763.42		3975.52	2.5154 2.5153	0.0312	2.90E-06	3.43F-04	3.13E-03	1.05E-02	2.156-02	3.36E-02
•	7 5		21 37	11037.95		3975.67	2.5149	0.0303	0.0	3.68E-04	1.40E-02	1.10E-01	3.99E-01	9.39E-01
	9 7 9 7	38	58	16967.88		3976.26 3976.28	2.5149	0.0303	0.0	2.10E-05	1.87E-03	2.46E-02	1.26F~01	3.78E-01
	9 7 2 Ô	59 38		20537.02		3976.29	2.5149	0.0303	2.18E-02	5.08E-02	6.52E-02	6.72E-02	6.29E-02	5.62E-02
	4 2	20	39 21	4999.68		3976.42	2.5148	0.0515	3.60E-03	2.35E-02	5.05E-02	7.09E-02	8-14E-02	8.43E-02
	5 3	# T A	27	7760.70	~ ~ ~~~	3976.67	2.5147	0.0398	1.37E-02	3.37E-01	1.41E 00	2.94E 00	4.41E 00	5.52E 00
	5 3		10	6409.02		3976.74	2.5146	0.0624	4.03E-04	5.17F-03	1.56E-02	2.68E-02	3.52E-02	4.02F-02
	6 4	16	17	8980.75		3976.86	2.5145	0.0585	2.38E-03	1.05E-01	5.89E-01	1.47E 00	2.48E 00	3.37E 00
	5 3		123	33437.40		3976.99	2.5145	0.0303	0.0	0.0	0.0	1.30E-05	2.29E-04	1.66E-03
	9 7	39	38	17103.34		3977.02	2.5144	0.0303	0.0	3.34E-04	1.31E-02	1.05E-01	3.86E-01	9.17E-01
	9 7		57	20333.01		3977.06	2.5144	0.0303	0.0	2.49E-05	2.12E-03	2.71E-02	1.36F-01	4.02F-01
•	6 4		113	31255.77		3977 14	2.5144	0.0303	0.0	0.0	0.0	5.87E-05	8,39E-04	5.25E-03
	8 6			12627.20	1	3977.14	2.5144	0.0624	1.62E-05	4.11E-03	5.51F-02	2 .32E-01	5.56E-01	9.71E-01
	7 5		77	20572-85	Ž	3977.22	2.5143	0.0303	0.0	0.0	1.64E-05	2.17E-04	1.11E-03	3.34E-03
	8 6		86	25718.04		3977.30	2.5143	0.0303	0.0	0.0	6.14E-05	1.70E-03	1.43F-02	6 • 1 2E-02
	7 5	_	22	11114.98		3977.65	2.5140	0.0476	2.73E-06	3.34E-04	3.11E-03	1.05E-02	2.18F-02	3.42F-02
	9 7		39	17242-29		3977.71	2.5140	0.0303_	0.0	3.01E-04_	1.22E-02	1.00E-01	3.73E-01	8.94E-01
	9 7	57	<u>56</u>	20132.36		3977.75	2.5140	0.0303	0.0	2.96E-05	2.40E-03	2 • 97E-02	1 - 46F-01	4.27F-01
	7 5	4	5	10507.20	1	3977.83	2.5139	0.0614	1 - 17E-04	1.07E-02	8.67E-02	2.69E-01	5.26E-01	7.94E-01
	2 0	50	51	5055.41	1	3977.94	2.5139	0.0303	1.09E-01	7.34E-01	1.60E 00	2.27E 00	2.63F 00	2.73E 00
	6 4	97	96	24250.88	2	3978.11	2.5138	0.0303	0.0	0.0	1 • 17E-06	2.61E-05	1.90E-04	7.37E-04
	7 5	102		28702.89		3978.12	2.5138	0.0303	0.0	0.0	6.97E-06	2 • 97E-04	3.32E-03	1.746-02
	9 7	41	40	17384.73	1	3978.33	2.5136	0.0303	0.0	2.71E-04	1 - 1 4E-02 ·	9.51E-02	3.59E-01	8.69E-01
	9 7	56	ື່ 55 ັ	19935.07	1 7-7-7	3978.37	2.5136	0.0303	0.0	3.49F-05	2.70F-03	3.26E-02	1.57E-01	4.53E-01
	6 4	4	3	8253.86	2	3978.77	2.5133	0.0611	1.85E-05	5.75E-04	2.69E-03	6.04E-03	9.48F-03	1.23E-02
	9 7	42	41	17530.64	1	3978.87	2.5133	0.0303	0.0	2.43E-04	1.06E-02	9.01E-02	3.45E-01	8-44F-01
	9 7	55	54	19741.15	1	3978.91	2.5133	0.0303	0.0	4.11E-05	3.03E-03	3.56E-02	1.68E-01	4 • 79E-01
	3 1	29	30	3785.38	2	3979.07	2.5131	0.0340	1.38E-02	5.04E-02	8-10E-02	9.54E-02	9.76E-02	9.30F-02
	7 . 5	77	76	20312.67	2	3979.20	2,5131	0.0303	0.0	0.0	1.94E-05	2.47E-04	-1 • 23E-03	3.64F-03
	9 7	43	42	17680.03	1	3979.33	2.5130	0.0303	0.0	2.17E-04	9.77E-03	8.52E-02	3.31E-01	8.17E-01
	9 7	54	53	19550.62		3979.37	2.5130	0.0303	0.0	4.82E-05	3.40E-03	3.88E-02	1.80E-01	5.06E-01
	7 5		23	11195.50		3979.55	2.5128	0.0457	2.55E-06	3.25E-04	3.0AE-03	1.05E-02	S+50E-05	3.47E-02
	9 _7		43	17832 • 88		3979.72	2.5127	0.0303	0.0	1.93E-04	9.01E-03	8.03E-92	3.16E-01	7.90F-01
	9 7		52	19363.47		3979.75	2.5127	0.0303	0.0	5.63E-05	3.80F-03	4.22E-02	1.92E-01	5.34E-01
	8 6		10	12663.53		3980.00	2.5126	0.0625	1.70E-05	4.39F-03	5.94E-02	2.52E-01	6.04E-01	1.06E 00
-	9 7	_	44	17989.20		3980.03	2.5125	0.0303	0.0	1.71E-04	8.28E-03.	7.55E-02	3.02F-01	7.62E-01
	9 7		51	19179.72		3980.05	2.5125	0.0303	0.0	6.55E-05	4.23E-03	4 • 57E-02	2.05E-01	5-62E-01
	9 7		45	18148.97		3980.26	2.5124	0.0303	0.0	1.51E-04	7.59E-03	7.08E-02	2.98F-01	7.34E-01 5.90E-01
×= ,	9 7		50	18999.38		3980.28	2.5124	0.0303	0.0	7.59E-05	4.69E-03	4.95E-02	2.18E-01	
	8 6	86	e5	25421.09		3980.29	2.5124	0.0303	0 • 0	0.0 1.32E-04	7.47E-05 6.94F-03	1.98E-03 6.62E-02	1.62E-02 2.73E-01	6.80E-02 7.05E-01
	9 7		. 46	18312-18		3980.42	2.5123	0.0303	0.0	8.77E-05	5.20E-03	5.34E-02	2.32F-01	6.19E-01
		50	49	18922.44		3980.43	2.5123	0.0303	0.0 0.0	1.16E-04	6.32E~03	6.18E-02	2.59E-01	6.76E-01
	9 7		<del>47</del>	18478 84		3980.50	2.5122	0.0303	0.0	1.01E-04	5.74E-03	5.75E-02	2.45E-01	6.47E-01
	5 3		40			3980.51 3980.90	2.5122	0.0624	3.83F-04	4.84E-03	1.45E-02	2.47E-02	3.24E-02	3.69E-02
	7 5		75	6373.27 20055.60		3981.11	2.5119	0.0303	0.0	0.0	2.29E-05	2.81E-04	1.37E-03	3.97E-03
				4924.07			2.5119	0.0303	3.84E-03	2.42E-02	5.11F-02	7.09E-02	8.09E-02	8.33F-02
* *******	- <del>4</del> <del>2</del>	;3E	. 20 24	11279.49		3981.31	2.5117	0.0437	2.36E-06	3.14E-04	3.04E-03	1.05E-02	2.21E-02	3.52E-02
			95	23930.47		3981.53	2.5116	0.0303	0.0	0.0	1.44E-06	3.09F-05	2.18F-04	8.26E-04
	6 4		35	6628.66		3981.65	2.5115	0.0317	5415E-02	7.38E-01	2.35E 00	4.17E 00	5.62E 00	6.51E 00
	6 4					3981.66	2.5115	0.0591	2.47E-03	1.06E-01	5.83E-01	1.44E 00	2.42E 00	3.27E 00
	~ . <del>*</del>		16	8917.88		_2.23.53.00					- 100- 11			

VU	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	*****	** INTEGRAT	ED ** ABSOR	PTION ** COL	FFICIENT *	******
				STATE		NUMBER	LENGTH	WIDTH	-		, CM+GI			
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7	5	3	4	10488.85	1	3981.78	2.5114	0.0611	9.64E-05	8.79E-03	7.06E-02	2.195-01	4.26E-01	6.43E-01
6	4	5	4	8268.04	2	3981.98	2.5113	0.0614	2.28E-05	7.13E-04	3.35E-03	7.53E-03	1 • 18E - 02	1.536-02
3	1	42	43	5725.68	1	3982.05	2.5113	0.0303	1.115-01	1.03E 00	2.63E 00	4.11E 00	5+07E 00	5.52E 00
5	2	25	26	7660.20	1	3982.18	2.5112	0.0418	1.53E-02	3.59E-01	1.46E 00	3.03E 00	4.48E 00	5.57E 00
7	5	101	100	28357.62	1	3982.33	2.5111	0.0303	0.0	0.0	8.79E-06	3.56E-04	3.85E-03	1.98E-02
6	- 4	113	112	30872.70	1	3982.35	2.5111	0.0303	0.0	0.0	1+24E-06	7 • 22E-05	9.94E-04	6.06E-03
2	0	37	38	2711.64	2	3982.35	2.5111	0.0303	2.61E-02	5.69E-02	7.07E-02	7.14E-02	6.59E-02	5-83E-02
8	- 6	12	11	12703.48	1	3982.78	2.5108	0.0617	1.76E-05	4.64E-03	6.33E-02	2.70E-01	6.50E-01	1.14E 00
7		75	74	19801.66	2	3982.95	2.5107	0.0303	0.0	0.0	2.70E-05	3.19E-04	1 • 52E-03	4.33E-03
5	3	123	122	33023.30	1 1	3983.03	2.5107	0.0303	0.0	0.0	0.0	1 • 62E-05	2.74E-04	1.94E-03
. 7	5	26	25	11366.95	2	3983.16	2.5106	0.0418	2.18E-06	3.01E-04	2.98E-03	1.05E~02	2.21E-02	3.55E-02
8	•	85	84	25127+25	1	3983.20	2.5105	0.0303	0.0	0.0	9.07E-05	2.31E-03	1.83E-02	7.54E-02
3	1	28	29	3676.69	2	3984.56	2.5097	0.0359	1.57E-02	5.44E-02	8.51E-02	9+88E-02	1.00E-01	9.46E-02
7	5	74	73	19550.86	2	3984.70	2.5096	0.0303	0.0	0.0	3.17E-05	3.61E-04	1.68E-03	4.70E-03
7		27	26	11457488	2	3984.86	2.5095	0.0398	1.99E-06	2.88E-04	2.91E-03	1.04E-02	2.21E-02	3.56E-02
6	4	95	94	23612.99	2	3984.86	2.5095	0.0303	0.0	0.0	1.78E-06	3.64E-05	2.49E-04	9.24E-04
5	3	7	8	6341.08	2	3985.00	2.5094	0.0523	3.59E-04	4.46E-03	1.32E-02	2.25E-02	2.94E-02	3.34E-02
2	- 0	45	50	4862,58	1	3985.10	2.5093	0.0303	1.42E-01	8+69E-01	1.81E 00	2.50E 00	2.84E 00	2.91E 00
6	4	6	5	8285.77	2	3985.14	2.5093	0.0617	2.685-05	8.46E-04	4.00E-03	9.00E-03	1.42E-02	1.84E-02
8 5 7	6	13	12	12747.07	1	3985.50	2.5091	0.0610	1.80E-05	4.84E-03	6.69F-02	2.87E-01	6.94E-01	1.22E 00
ő 7	5	2	3	10474.17	1	3985.66	2.5090	0.0609	7.42E-05	6.71E-03	5.37E-02	1.66E-01	3.23E-01	4.88E-01
8	-6	84	83	24836.50	1	3986.02	2.5088	0.0303	0.0	0.0	1.10E-04	2.68E-03	2.07E-02	8.355-02
4	2		19	4852.04	2	3986.14	2.5087	0.0552	4.07E-03	2.48E-02	5.14E-02	7.06E-02	8.00E-02	8.20E-02
7	— ē	73	72	19303.21	2	3986.39	2.5085	0.0303	0.0	0.0	3+71E-05	4.08E-04	1.85E-03	5.10E-03
6	4	14	15	8858.70	1	3986.40	2.5085	0.0597	2.53E-03	1.05E-01	5.73E-01	1.40E 00	2.34E 00	3.16E -00
7	5	10C	99	28015.28	1	3986.46	2.5085	0.0303	0.0	0.0	1.11E-05	4.27E-04	4.47E-03	2.24E-02
7	5	28	27	11552.28	2	3986.49	2.5085	0.0379	1.81E-06	2.74F-04	2.84E-03	1.02E-02	2.20E-02	3.575-02
6	4	112	111	30492.39	1	3987.46	2.5079	0.0303	0.0	0.0	1.61E-06	8.85E-05	1.18E-03	6.99E-03
5	. 3	24	25	7563.39	1	3987.62	2.5078	0.0437	1.70E-02	3.81E-01	1.52E 00	3.08E 00	4.54E 00	5.61E 00
4	2	33	34	6497.59	1	3987.72	2.5077	0.0321	6.07E-02	8.16E-01	2.52E 00	4.39E 00	5.84E 00	5.70€ 00
7	5	72	71	19058.71	2	3988.00	2.5075	0.0303	0.0	0.0	4.34F-05	4.60E-04	2.04E-03	5.53E-03
7	Ē	29	28	11650.14	2	3988.06	2.5075	0.0359	1.64E-06	2.60E-04	2.75E-03	1.01E-02	2.19E-02	3.57E-02
6	4		93	23298.45	2	3988.12	2.5074	0.0303	0.0	0.0	2-19E-06	4.28E-05	2.85E-04	1.03E-03
s		14	13	12794.27	1	3988.14	2.5074	0.0604	1.82E-05	5.016-03	7.00E-02	3.02E-01	7 • 35E-01	1.30E 00
6	4	7	6	8307.03	2	3988.22	2.5074	0.0620	3.05E-05	9.73E-04	4.62E-03	1.04E-02	1.65E-02	2.14E-02
2	o	36	37	2573.18	2	3988.35	2.5073	0.0308	3+12E-02	6+36E-02	7.63E-02	7.56E-02	6 • 88E-02	6.04E-02
3	1	41	42	5563.80	1	3988.67	2.5071	0.0303	1.37E-01	1.18F 00	2.90E 00	4.42E 00	5.37E 00	5.79E 00
8	6	83	82	24548.88	1	3988.77	2.5070	0.0303	0.0	0.0	1.33E-04	3.11E-03	2.34E-02	9.24E-02
5	3	122	121	32611.84	1	3988.98	2.5069	0.0303	0.0	0.0	0.0	2.02E-05	3+29E-04	2.26E-03
5	3	- 6	7	6312.47	2	3989.03	2.5069	0.0620	3.29E-04	4.03E-03	1.19E-02	2.01E-02	2.62E-02	2.97E-02
4	2	131	130	34615.31	1	3989.25	2.5067	0.0303	0.0	0.0	0.0	4.41E-06	8.70E~05	6.865-04
7	5	1	2	10463.16	1	3989.47	2.5066	0.0606	5.04E-05	4.54E-03	3+63E-02	1.12E-01	2.18E-01	3.28E-01
7	5		70	18817.38	2	3989.53	2.5066	0.0303	0.0	0.0	5.06E-05	5.18E-04	2.245-03	5.98E-03
7	5	30	29	11751.45	2	3989.55	2.5065	0.0340	1.47E-06	2.45E-04	2.66E-03	9.87E-03	2.17E-02	3.56E-02
3	1	27	28	3571.58	2	3989.98	2.5063	0.0379	1.77E-02	5.84E-02	8.92E-02	1.02E-01	1 • 02E-01	9.595-02
7	5	59	98	27675.87	1	3990.50	2.5060	0.0303	0.0	0.0	1.39E-05	5.10E-04	5.17E-03	2.53E-02
8	6		14	12845.10	1	3990.71	2.5058	0.0597	1.82E-05	5.14E-03	7.27E-02	3.16E-01	7.73E-01	1.37E 00
4	2	17	î 8 🐩	4783.59	2	3990.90	2.5057	0.0568	4.28E-03	2.52E-02	5.14E-02	6.99E-02	7.87E-02	8.03F~92
7	5		30	11856.22	2	3990.97	2.5057	0.0335	1.32E-06	2.31E-04	2.57E-03	9.67E-03	2.15E-02	3.55F-02
7	5	70	69	18579.22	2	3 990.99	2.5056	0.0303	0.0	1.05E-06	5+8RE-05	5.82E-04	2.46E-03	6.46E-03
6	4	13	14	8803.20	1	3991.07	2.5056	0.0604	2.57E-03	1.04E-01	5.60E-01	1.36E 00	2.26E 00	3.03E 00
6	4		7	8331.84	2	3991.24	2.5055	0.0623	3.38E-05	1.09E-03	5.225-03	1.18E-02	1.87E-02	2.44E-02

							MOLECULA			DIATOMIC MO	DLECULES				
								CA	RBON MONOX	, DE					
	¥Ü	٧L	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRAT			EFFICIENT *	******
<del> </del>					STATE		NUMBER CM-1	LENGTH MICRON	WIDTH H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	8	6	82	81	24264.39	1	3991.43	2.5054	0.0303	0.0	0.0	1.60E-04	3.60E-03	2.635-02	1.02E-01
	2	0	48	49	4673.40	1	3992.19	2.5049	0.0303	1.83E-01	1.03E 00	2.04E 00	2.74E 00	3.06E 00	3.10F 00
	7	5	32	31	11964-44	2	3992.33	2.5048	0.0331	1.17E-06	2.16E~04	2.47E-03	9.44E-03	2.12E-02	3.53E-02
	7	5	69	68	18344.26	2	3992.37	2.5048	0.0303	0.0	1.29E-06	6.81E-05	6 • 52E-04	2.70F-03	6.97E-03
	6		111	110	30114.87	1	3992.49	2 -5047	0.0303	0.0	0.0	2.08E-06	1.08F-04	1 • 39E-03	8.04E-23
	5	3	2,3	24	7470.27	1	3993.00	2.5044	0.0457	1.87E-02	4.02E-01	1.56E 00	3.14E 00	4.58E 00	5.63F 00
	5	3	5	6	6287.43	2 .	3993.00	2.5044	0.0617	2.93E-04	3.55E-03	1.04E-02	1.76E-02	2.29E-05	2.58E-02
	8	6	16	15	12899.54	1.	3993.21	2.5043	0.0591	1.81E-05	5.23E-03	7.50E-02	3.29E-01	8.07E-01	1.44E 00
	7_	5		1	10455-82	1	3993.21	2.5043	0.0603	2.56E-05	2.30E-03	1.83E-02	5.65E-02	1.10F-01	1.65F-01
	7	5	33	32	12076-10	2	3993.61	2.5040	0.0326	1.04E-06	2.02E-04	2.37E-03	9.19F-03	S • 08E-0S	3.508-02
	7	5	68	67	18112.48		3993.68	2.5040	0.0303	0+0	1.58E-06	7.88E-05	7.30E-04	2.95E-03	7.50E-03
	4	2	32	33	6370.20	1	3993•72,	2.5039	0.0326	7.10E-02	8.986-01	2.69E 00	4.60E 00	6.05E 00	6.88E 00
	<u> </u>	6_	81	80	23983.04		3994.01	2+5037	0.0303	0.0	0.0	1.92E-04	4.16E-03	2.96E-02	1-13E-01
	6	4	9	8	8360-19	2	3994.19	2.5036	0.0624	3.67E-05	1.20E-03	5.79E-03	1.32F-02	2.09E-02	2.73F-02
	2	<u> </u>	35	36	2438.31	<u>2</u>	3994.29	2.5036	0.0312	3.706-02	7.07E-02	8.22E-02	7.98E-02	7 • 18E-02	6.24E-02
	6	4	92	91	22678.24	2	3994.41	2.5035	0.0303	0.0	0.0	3.30E-06	5.90E-05	3.70F-04	1.29E-03
		5	98	97	27339.41	<u>.</u>	3994.45	2.5035	0.0303	0.0	0.0	1.74E-05	6+08E-04	5.97E-03	2.86E-02
	7	5	34	33	12191.21	2	3994.83	2.5032	0.0321	0.0	1.87E-04	2.26E-03	8.92E-03	2.05E-02	3.47E-02
	5.,		121		32203.01		3994.85	2.5032	0.0303	0.0	0.0	0.0	2.51E-05	3.94E-04	2.63E-03
359	7	5	67	66	17883.92		3994.92	2.5032	0.0303	0.0	1.93E-06	9.09E-05	8.15E-04	3.22E-03	8.07E-03
<u>~</u>		1_	40	41	5405.60	1	3995+22	2.5030	0.0303	1.68E-01	1.34E 00	3-18E 00	4.75E 00	5.68E 00	6.06E 00
	3	1	26	27	3470.06	2	3995.34	2.5029	0.0398	1.99E-02	6.25E-02	9.30E-02	1.05F-01	1.04E-01	9.70E-02
	4	2	16	17	4718.72	2	3995.61	2.5027	0.0585	4.46E-03	2.54E-02	5-11E-02	6+89E-02	7.71F-02	7.83E-02
	8	6	17	16	12957.61	1	3995+64	2.5027	0.0585	1.78E-05	5.29E-03	7.68E-02	3.40E-01	8.39E-01	1.50E 00
	6		12	13	8751.40		3995.67	2.5027	0.0610	2.58E-03	1.02E-01	5.42E-01	1.3tE 00	2.16E 00	2.89E 00
	4		130		34178.80	1	3995.88	2.5026	0.0303	0.0	0.0	0.0	5.59E-06	1.06E-04 2.00E-02	8.09E-04
		<u>5</u> _	35	<u>34</u> 65	12309.75	2 2	3995.97	2.5025	0.0317	0.0	1.73E-04	2.15E-03	8.64F-03 9.07E-04		3-42E-02
			66	79	17658-56		3996.08	2.5025	0.0303 0.0303	0.0	2.34E-06 1.21E-06	1.05E-04 2.31E-04	4.798-03	3.51E-03 3.32E-02	8.66E-03 1.24E-01
	<u>8</u> 5	<u>-6</u>	80	5	23704.85 6265.97	- <u>1</u>	3996.51	2.5022	0.0514	2.53E-04	3.04E-03	8.84E-03	1.49E-02	1.93E-02	2.18E-02
	7	5	36	35	12431.72		3997.05	2.5019	0.0312	0.0	1.60E-04	2.04E-03	8.34E-03	1.96E-02	3.37E-02
		3	10	- 33	8392.08	2	3997.08	2.5018	0.0624	3.92E-05	1.30E-03	6.32E-03	1.45E-02	2.3°E-02	3.01E-02
	7	5	65	64	17436-43	2	3997.00	2.5018	0.0303	0.0	2.83E-05	1 -20E-04	1.01E-03	3.82E-03	9+28E-03
	6		91	90	22372.60	2	3997.43	2.5016	0.0303	0.0	0.0	4.04E-06	6.90E-05	4.20E-04	1.43E-03
	6		110		29740.16	ī	3997.44	2.5016	0.0303	0.0	0.0	2.68E-06	1.326-04	1.64E-03	9.24E-03
	- 8	- 6	18	17	13019-29	<del>-i</del>	3997.99	2.5013	0.0568	1.73E-05	5.31E-03	7.82E-02	3.49E-01	8.67E-01	1.56E 00
	7	5	37	36	12557.12	2	3998.05	2.5013	0.0308	0.0	1.46E-04	1.93E-03	B.02E-03	1.905-02	3.31E-02
	<del></del>	5	64	63	17217.54	2	3998.18	2.5012	0.0303	0.0	3.41E-06	1.37E-04	1.12E-03	4.15E-03	9.93E-03
	5	3	22	23	7380.84	1	3998.31	2.5011	0.0476	2.05E-02	4.22E-01	1.61E 00	3.19E 00	4.61E 00	5+63E 00
	<del>~~</del>	5	97	96	27005.92	- <del>i</del>	3998.33	2.5010	0.0303	0.0	0.0	2.17E-05	7.24E-04	6.89E-03	3.22E-02
	8	. 6	79	78	23429.83	i	3998.93	2.5007	0.0303	0.0	1.54E-06	2.76F-04	5.51E-03	3.72E-02	1.36F-01
	<del>-</del> 5	5	38	37	12685.95	<del>-</del> 2	3998.99	2.5006	0.0303	0.0	1.34E-04	1.82E-03	7.70E-03	1.85E-02	3.25E-02
	7	5	63	62 :		2	3999.12	2.5005	0.0303	0.0	4.10E-06	1.57E-04	1.24E-03	4.50E-03	1.06E-02
	<u>;</u> _	<del>-</del> ō	47	48	4487.89	1	3999.22	2.5005	0.0303	2.35E-01	1.21E 00	2.30E 00	3.00E 00	3.29E 00	3.30E 00
	4	ž	31	32	6246.50	35	3999.66	2.5002	0.0331	8.25E-02	9.84E-01	2.86E 00	4.81E 00	6.25E 00	7.05E 00
	7	5	39	36	12818-19	2	3999.85	2.5001	0.0303	0.0	1.22E-04	1.70E-03	7.37E-03	1.79E-02	3.17E-02
	6	4	11	10	8427.51	2	3999.89	2.5001	0.0625	4 • 1 2E-05	1.39E-03	6.82E-03	1.57E-02	2.50E-02	3.28E-02
	— <del>ŏ</del>	5	62	61	16789.46	2	3999.99	2.5000	0.0303	0.0	4.91E-06	1.78E-04	1.37E-03	4.87E-03	1.136-02
	2	ŏ	34	35	2307.02	2	4000.18	2.4999	0.0317	4.36E-02	7.83E-02	8.825-02	8.40E-02	7.46E-02	6.43E-02
	6	<u> </u>	77	12	8703.29	1	4000.20	2.4999	0.0617	2.57E-03	9.94E-02	5.21E-01	1.25E 00	2.05E 00	2.74E 00
	4	2	15	16	4657445	ż	4000+25	2.4998	0.0591	4.60E-03	2.556-02	5.05E-02	6.75E-02	7.51E-02	7.60E-02
	8	6	19	18	13084.58	1	4000.27	2.4998	0.0552	1.67E-05	5.29E-03	7.92E-02	3.57E-01	8.92E-01	1.61E 00
	6	4	90	89	22069.95	2	4000+38	2.4998	0.0303	0.0-	0.0	4.92E-06	8+06E-05	4.775-04	1.59E-03
	_ ऱ_		<u></u>		22007170				444040	, 7 7 7					

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		EFFICIENT *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7	5	1	0	10452.15	1	4000.48	2.4997	0.0603	2.60E-05	2.33E-03	1.86E-02	5.72E-02	1 • 1 1E-0 1	1 • 67E-01
3	1	25	26	3372.13		4000.63	2.4996	0.0418	2.22E-02	6.64E-02	9.67E-02	1.07E-01	1.06E-01	9.78E-02
5	3	120	119			4000.63	2.4996	0.0303	0.0	0.0	0.0	3-126-05	4.70E-04	3.06E-03
7	5	40	39	12953.84		4000.65	2.4996	0.0303	0.0	1.10E-04	1.60E-03	7.04E-03	1.74E-02	3.10E-02
5	3	3	4	6248.08	2	4000.74	2.4995	0.0611	2.09E-04	2.48E-03	7.20E-03	1.21E-02	1.57E-02	1.77E-02
7	5	61	60	16580.31		4000.78	2.4995	0.0303	0.0	5.86E-06	2.03E-04	1.51E-03	5.26E-03	1.20E-02
	6	78	77	23157.98		4001.26	2.4992	0.0303	0.0	1.97E-06	3.30E-04	6.32E-03	4 • 16E-02	1.50E-02
7	5	41	40	13092.91		4001.37	2.4991	0.0303	0.0	9.95E-05	1.49E-03	6.70E-03	1.67E-02	3.02E-01
7	5	60	ร์9	16374.42		4001.50	2.4991	0.0303	0.0	6.98E-06	2.29E-04	1.65E-03	5.66E-03	
3	1	39	40	5251.08		4001.71	2.4989	0.0303	2.06E-01	1.52E 00	3.49E 00	5.09E 00		1.28E-02
7	5	42	41	13235.37		4002.02	2.4987	0.0303	0.0	8.95E-05	1.39E-03	6.36E-03	6.00E 00 1.61E-02	6.33E 00
7	5	96	95	26675.41		4002.12	2.4987	0.0303	0.0	0.0	2.71E-05			2.94E-02
ż	5	59	58	16171.80		4002-14	2.4987	Ó.0303	0.0	8.29E-06	2.60E-04	8-61E-04	7.93E-03	3.63E-02
6	4		108	29368.25		4002.29	2.4986	0.0303	0.0	0.0	3.45E-06	1.82E-03	6-11E-03	1.36E-02
4		129		33744.82		4002.41	2.4985	0.0303	0.0	0.0	0.0	1 • 62E-04	1.93E-03	1.06E-05
8	6	20	19	13153.48		4002.48	2.4985	0.0535	1.60E-05	5.24E-03		7.07E-06	1 - 28E-04	9.53E-04
7	5	43	42	13381.23		4002.60	2.4984	0.0303	0.0		7.98E-02	3.63E-01	9.13E-01	1.65E 00
6	4	12	11	8466.48		4002.65	2.4983	0.0503	4 • 28E-05	8-01E-05	1 • 29E - 03	6.03E-03	1.55E-02	2.85E-02
7	5.	. 58	57	15972.47		4002.72	2.4983	0.0303		1.47E-03	7.27E-03	1 • 68E-02	2.70E-02	3.54E-02
	5	44	43	13530.48		4003-11	2.4981		0.0	9.81E-06	2+93E-04	1.99E-03	6.57E-03	1-44E-02
2) 7 2) 7	5	57	56	15776.43		4003.21	2.4980	0.0303	0.0	7.15E-05	1-19E-03	5.70E-03	1.48E-02	2.76E-02
6	4	-89	88	21770.31		4003.25		0.0303	0.0	1.16E-05	3.30E-04	2.18E-03	7.06E-03	1.53E-02
8	6	77	76	22889.33		4003.52	2.4980	0.0303	0.0	0.0	6.01E-06	9.42E-05	5.41E-04	1.77E-03
7	- 5	45	44	13683.11		4003+55	2+4978 2+4978	0.0303	0.0	2.50E-06	3.93E-04	7.24E-03	4.64E-02	1.64E-01
5	ž	21	22	7295.12		4003.55	2.4978		0.0	6.36E-05	1.10E-03	5.37E-03	1.42E-02	2.66E-02
. 7	5	56	55	15583.68		4003.64	2.4977	0.0496	2.23E-02	4-40E-01	1.64E 00	3.22E 00	4.62E 00	5.61E 00
7	5	46	45	13839.13		4003.92		0.0303	0.0	1.36E-05	3.70E-04	2.38E-03	7.56E-03	1.62E-02
7	5	55	54	15394.23		4003.99	2.4976	0.0303	0+0	5.63E-05	1.01E-03	5.05E-03	1.35E-02	2.57E-02
7	5	2	1	10455.82		4003.99	2.4975	0.0303	0.0	1.59E-05	4+14E-04 '	2.60E-03	8.09E-03	1.71E-02
<del></del>	5	47	46	13998-51		4004.21	2.4975	0.0606	5.20E-05	4.67E-03	3.73E-02	1 • 15E-01	2+23E-01	3.37E-01
7	5	54	53	15208.11			2.4974	0.0303	0.0	4.96E-05	9.23E-04	4.73E-03	1 • 29E-02	2.47E-02
<del></del>	- 5	48	47	14161.26		4004.27	2.4973	0.0303	0.0	1.86E-05	4.62E-04	2.82E-03	8.64E-03	1 • BCE-02
7	5	53	52			4004.44	2 • 4972	0.0303	0.0	4.36E-05	8.44E-04	4.43E,-03	1.23E-02	, 2+38E-02
5	3	2	3	15025.29		4004.48	2.4972	0.0303	0.0	2.16E-05	5.15E-04	3.06E-03	9.20E-03	1.89E-02
7	ە 5		-	6233.77		4004.51	2.4972	0.0609	1.61E-04	1.90E-03	5.48E-03	9.19E-03	1.19E-02	1.34E-02
8	6	49 21	48 20	14327.37		4004.59	2.4971	0.0303	0+0	3.82E-05	7-69E-04	4 • 13E-03	1.16E-02	2.28E-02
7				13225.99		4004.62	2.4971	0.0515	1 • 52E-05	5.16E-03	7.99E-02	3.67E-01	9.31E-01	1.70E 00
	- <u>5</u>	52	51	14845.80		4004-62	2.4971	0.0303	0.0	2.51E-05	5.72E-04	3.31E-03	9.78E-03	1 • 99E-02
7	5	10	11	8658.86		4004.66	2.4971	0.0625	2.52E-03	9.55E-02	4.95E-01	1.18E 00	1.93E 00	2.57E 00
	5	50	49	14496-84		4004-67	2.4971	0.0303	0.0	3.33E-05	6.98E-04	3.85E-03	1.+10E-02	2.18E-02
		51	50	14669.65		4004.6B	2 • 4 97 1	0.0303	0.0	2.90E-05	6.33E-04	3.57E-03	1.04E-02	2.09E-02
- 4	2	14	15	4599.77		4004.82	2.4970	0.0597	4.71E-03	2.54E-02	4.96E-02	6.58E-02	7.28E-02	7.34E-02
6	4	13	12	8508.98		4005.33	2.4967	0.0610	4.38E-05	1.54E-03	7.69E-03	1.79E-02	2.88E-02	3.79E-02
	2	30	31	6126-50		4005.53	2.4965	0.0335	9.54E-02	1.07E 00	3.03E 00	5.02E 00	6.44E 00	7.21E 00
8	6,	76	75	22623-88		4005.69	2 • 4964	0.0303	0.0	3.16E-06	4.66E-04	8.28E-03	5.17E-02	1.79E-01
	5	95	94	26347.89		4005.82	2.4964	0.0303	0.0	0.0	3+36E-05	1.02E-03	9.12E-03	4.08E-02
3	1	24	25	3277.80		4005.87	2.4963	0.0437	2.46E-02	7.03E-02	1.00E-01	1.10E-01	1.07E-01	9.84E-02
2		33	24 27	2179.32		4006.00	2 • 4 9 6 3	0.0321	5.11E-02	8.63E-02	9.43E-02	8.82E-02	7.74E-02	6.61E-02
6	4	88	87	21473.68		4006.05	2.4962	0.0303	0 • 0	0.0	7.31E-06	1.10E-04	6-14E-04	1.96E-03
2	0	46	47	4306.05		4006.19	2.4961	0.0303	3.00E-01	1.41E 00	2.58E 00	3.28E 00	3.54E 00	3.49E 00
5		119		31393.38	1	4006.32	2.4961	0.0303	0.0	0.0	0.0	3 • B9E -05	5.63E-04	3.566-03
88	6	22	21	13302-10	1	4006.68	2.4958	0.0496	1.44E-05	5,05E-03	7.97E-02	3.70E-01	9.45E-01	1.73E 00
6		108		28999.19		4007.07	2.4956	0.0303	0.0	0.0	4.43E-06	1 - 97E-04	2.27F-03	1.22E-02
7	5	~	. 2	10463.16	1	4007.47	2 • 4953	0.0609		7.00E-03	5.59E-02	1 .73E-01	3.36E-01	5.06E-01

νυ	٧L	JU '	JL	LOWER STATE	CUDE	WAVE	WAVE LENGTH	HALF WIDTH	****	k întfģratė	D ** ABSORP CM*GM		FFTCTENT **	*****
				ENEPGY		CN-1	MICRON	H2	T = 1000	T = 1500		T = 2500 ~	T = 3000	T = 3500
				-				** *					<u>-</u>	,., <u></u>
8	6	75	74	22361.64	1	4007.79	2.4951	0.0303	0.0	3.98F-06	5.52E-04	9.44E-03	5.75F-02	1.96F-01
6	4	14	13	8555.02	2	4007.95	2.4950	0.0604	4.44F-05	1.60F-03	8.05E-07	1.89F-02	~3.05F-02	<b>△•</b> 03F-08
. 3	1	38	39	5100.25	ī	4008-13	2.4949	0.0303	2.500-01	1.72F 00	3.80E 00	5.43E 00	6.325 00	6.595 00
5	3	1	2	6223.04	2	4008.22	2.4949	0.0606	1.09E-04	1.28E-03	3.70=-03	6.195-03	8.016-03	9.02F-03
ē	6	23	22	13381.82	1	4008.67	2.4946	0.0476	1.355-05	4.92E-03	7.91F-02	3.72F-01	9.56F-01	1.76F 00
5	3	20	21	7213.10	1	4008.72	2.4946	0.0515	2.41E-02	4.57F-01	1.67F 00	` <b>₹.</b> ?4E` ∩ŋ`	4.615 00	5.57E 00
6	4	87	86	21180.08	2	4008.76	2.4945	9.9303	0.0	9.9	8.88E-06	1.28F-04	6.95F-04	2-185-73
4	2		127	33313.39	1	4009.86	2.4945	2.0303	0.0	0.0	0.0	8.92F-06	1.556-04	1.126-13
6	4	9	10	8618.14	1	4 009.05	2.4943	0.0524	2.44E-03	9.07E-02	4.66F-01	1.10E 00	1.80F 00	2.39F CO
4	2	13	14	4545.69	2	4009.33	2.4942	0.0504	4.78F-03	2.51E-02	4.84F-02	6.376-02	7.91F-02	7.045-02
7	5	94	93	26023.39	1	4009.44	2.4941	0.0303	0.0	2.0	4.175-05	1.21F-03	1.95F-92	4.58F-12
ė	6	74	73	22102.62	1	4009+80	2.4939	0.0303	0.0	5.01E-06	6.52F-04	1.07E-02	6.39F-n2	~ 2.14F-01
6	4	15	14	8604.60	2	4010-50	2.4935	0.0597	4.45E-05	1.64F-03	8.376-03	1.08F-02	3.21F-02	4.265-02
8	6	24	23	13465.12	1	4010.59	2.4934	0.0457	1.256-05	4.76E-03	7.81E-02	3.71E-01	9.64F-01	1.788 00
7	5	4	3	10474.17	1	4010.56	2.4932	0.0611	1.03E-04	9.295-03	7.44E-02	2.30F-01	4.48F-01	6.76E-01
3	1	23	24	3187.07	ž	4011-24	2.4931	0.0457	2.705-02	7.41E-02	1.076-01	1.12F-^1	1.08F-01	9.86E-02
4	2	29	30	6010.21	1	4011.33	2.4929	0.0340	1.10E-01	1.17E 00	3.20F 00	5.21F CO	6.615 00	7.35F 00
6	4	86	85	20889.52	2	4011+40	2.4929	0.0303	0.5	0.0	i .086-05	1.49E-24	7.85F-14	2•41F-93
8	6	73	72	21846.84	1	4011.73	2 4927	0.0303	0.0	6.23E-06	7.69F-04	1 • 22F - 02	7.08F-02	2.33F-01
6	4	107	106	28632.97	i	4011.76	2.4927	0.0303	0.0	0.0	5.67E-06	2.39E-94	2.66F-03	1.39F-02
2	o	32	33	2055.22	2	4011.76	2.4927	0.0326	5.95F-02	9.475-02	1.00F-01	9.245-02	8.016-05	6.7BF-02
5	3	0	1	6215.88	2	4011.87	2.4926	0.0693	5.545-05	5.49E-04	1.876-03	3.12F-03	4.04F-03	4.556-03
5	3		117	30992.61	1	4011.92	2.4926	0.0303	0.0	0.0	0.0	4.83E-05	6.73E-94	4.145-03
8	6	25	24	13552.03	1	4012.43	2.4923	0.0437	1.166-05	4.58F-03	7.686-03	3.70F-01	~6.68F-01 ~	1.80F OC
6	4	16	15	8657.70	2	4012.98	2.4919	0.0591	4.43E-05	1.67F-03	8.655-03_	S . 16E-12	3.366-00	4.47F-02
7	5	93	92	25701.90	1	4012.98	2.4919	. 0.0703	``````````````````````````````````````	2.0	5.16F-05	1.435-23		5.13F-02
2	ō	45	46	4127.89	ī	4013.10	2.4918	0.0303	3.81E-01	1.65F 00	2.8PF 00	3.575 00	3.79E 00	3.70E ባቦ
6	4	8	9	8581.11	1	4013.39	2.4917	0.0524	2.33E-03	8.50E-02	4.33F-01	่ 1 • ก็≳ี⊨ิ ญก	1 • 65፫ ኃባ	5.10E 00
ē	6	72	71	21594.31	1	4013.58	2.4915	0.0303	0.0	7.84E-06	9.03F-04	1.38F-02	7.83F-02	2.53F-01
4	2	12	13	4495.20	2 ~	4013.78	2.4914	~~0.051ō	4.79F-03	2.46F-02	4.60F-02	6.12F-02	6 • 71F-12	6.716-02
5	3	19	20	7134.78	1	4013.83	2.4914	0.0535	2.58F-02	4.72E-01	1.7CE 00	3.24E 00	4.59= 00	5.51F 00
6	4	25	24	20602.01	2	4013.97	2.4913	0.0303	0.0	0.0	1.305-05	1.72E-04	A.9AC-04	2.67F-03
7	5	5	4	10488.85	1	4014.18	2.4912	0.0614	1.265-04	1.15F-02	9.26F-02	2.875-01	5.60=-01	8.465-01
8	6	26	25	13642.53	1	4014.20	2.4912	0.0418	1.06F-05	4.395-73	7.52E-02	3.67E-01	9.695-01	1.825 00
3	1	37	38	4953.12	1	4014.49	2.4910	0.0303	3.03E-01	1.94E 00	4.14F 00	5.78F 00	6.57F 77	6.865 00
4	2	127	126	32084.54	1	4015.22	2.4905	ัว เอริจิริ	0.0	0.0	0.0	ี้ไ•่12๊F~วร ั	1.885-04	1.325-03
8	6	71	70	21345.04	1	4015.35	2.4904	0.0303	0.2	9.75E-06	1.06F-03	1,576-02	8.656-02	2.75F-01
6	4	17	16	8714.33	ż	4015.40	2.4904	`` ^•0585``	4.36E-05	1.695-03	8.87F-03	2-135-02	3.49F-12	4.66F-02
8	6	27	26	13736.61	1	4015.90	2.4901	0.0398	9.67E-06	4.19F-03	7.34E-02	_3•63F−11	9.67E-21	1.82E 00
3	1	22	23	3099.94	2	4016.15	2.4399	0.0476	2.95E-02	7.76E-02	I.06F-01	1 • 1 35 - 31	1 .09F-01	0.856-02
6	4	106	105	28269.62	1	4016.36	2 4 8 9 8	0.0303	0.0	0.0	7.25F-06	2.90F-04	3-125-03	1.595-02
7	5	92	91	25383.46	1	4016.44	2.4898	0.0303	0.0	ົ່າ • ດ	6.38F-05	1.68E-^3	1.37F-02	5.75F-02
6	4	84	83	20317.56	2	4016.45	2.4898	0.0303	0.0	0.0	1.57E-05		9.975-04	2.05F-03
8	6	70	69	21099.03	1	4017.04	2.4894	0.0303	0.0	1.21F-05	1.24E-03	1,77F-02	9-37F-92	2 • OÚE - 0 1
4	2	28	29	5897.62	1	4017.07	2.4894	0.0359	1.25E-01	1.86E 00	3.385 00	5.41E_00	6.70F 11	7+4PF 10
7	5	6	5	10507.20	1	4017.42	2.4892	0.0617	1.49E-04	1.37E-02	1-10F-01	3 - 43E-01	6.70F-01	1.01= 00
5			116	30594.55	1	4017.44	2.4891	0.0303	0.0	0.0 _	1.07F-06	5.00F-05	9 • C 3E-74	4.81#-23
2	ō	31	32	1934.72		4017.46	2.4891	0.0331	6.895-02	1.03E-01	1.07E-01	9.64F-02	R.265-02	6.945-02
8	6	28	27	13834.28		4017.52	2.4891	0.0379	8.76E-06	3.97F-03	7.12F~02		9+61F-21	1 • 43E JŮ
6	4	7	8	8547.78	1	4017.65	2.4890	0.0623	์ 2 • t ค∈ • ก็รั″ ี	7.84F-02	3.96E-01	78F-11	1.•ธก∈ วิก	1.095 00
6	4	18	17	8774.49	-	4017.75	2.4890	0.0568	4.265-05	1.705-03	9.04F-03	2.19F-02	3.61F-02	4.85F-02
4	2	11	12	4448.31		4018.17	2.4887	0.0617	4.76E-03	2.39F-02	4.505-02	5.83F-02	6.365-02	A.35E-12
8	- 6	69	68	20856.30		4018.65	2.4884	0.0303	0.0	1.49F-05	1.446-03	1.995-^2	1.055-11	3.225-01
-			-					•			-			

									KRON MONOXI	DE		*			
	VÜ	VL.	JU	JL	LOWER	CODE	WAVE	WAVE	HALF	*****	* INTEGRATE	ED ** ABSOD	TION ** CO	EFFICIENT *	
	•	_	_		STATE	•	NUMBER	LENGTH	WIDTH	7.0.7.4.4.0.4.4.	THI CONNIC	CM*G!		SEFICIONI A	****
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
											,		. 2040	, ,,,,,,	, = 2500
												·			
	6	4	83	82	20036.19		4018.86	2.4883	0.0303 .	0.0	0.0	1.89E-05	2.30E-04	1.128-03	3.25E-03
	5	3	18	19	7060-17		4018.87	2 + 4883	0.0552	2.75E-02	4.84F-01	1.71E 00	3.23E 00	4.54E 00	5.42F 00
	5		1_		6212.30		4 01 8 . 96	2.4882	0.0603	5.63E-05	6.58E-04	1.89E-03	3.17E-03	4.09E-03	4.60E-03
	8	6	29	28	13935.53		4019.07	2.4881	0.0359	7.88E-06	3.75F-03	6.90E-02	3.51E-01	9.53F-01	1.82F 00
	7	5	91	90	25068.06	<del></del>	4019.81	2 • 4 877	0.0303	0.0	0.0	7.85E-05	1.98E-03	1.57F-02	6.42F-02
	2	0	44	45	3953.41		4019.94	2.4876	0.0303	4-825-01	1.91E 00	3-21E 00	3.88E 00	4.05E 00	3.91E 00
	-6	-4	- <u>19</u>	18	8838-17		_4020.03	2.4875	0.0552	4.12E-05	1.70E-03	9.17E-03	2.24F-02	3.72E-02	5.01F-02
	8	6	30	67 29	20616.86		4020.18	2.4875	0.0303	0.0	1.84E-05	1.68F-03	2.24E-02	1 • 1 5E-0 1	3.485-01
	7	-5	7	- 6	14040.35		4020.55	2.4872	0.0340	7.04E-06	3.53E-03	6.65E-02	3.44E-01	9.42F-01	1.82F 00
	5				10529.21		4020.60	2.4872	0.0620	1.69E-04	1.57E-02	1.27E-01	3-98E-01	7.78E-01	1.18E 00
	3	1	36	99 37	23371.00		4020.76	2.4871	0.0303	0.0	0.0	1.54E-06	3.04F-05	2.04E-04	7.435-04
	6		105		4809.68 27909.14	÷	4020.79	2.4671	0.0308	3.64E-01	2.18F 00	4.49E 00	6.14E 00	6.95E 00	7.11E 00
	<del>-</del> 3-	1	21	22	3016.41	- <u>-</u> -	4020.87	2.4870	0.0303	0.0	0.0	9.25E-06	3.52F-04	3.65F-03	1 • 82E-02
	6	4	82	81	19757.90		4021.20	2.4868	0.0496	3.20E-02	8.08E-02	1.08E-01	1 - 14F-01	1.08E-01	9.81F-02
	4		126		32458.27		4021.49	2 4 8 6 8	0.0303	0.0	0.0	2.26E-05	2.66E-04	1.26E-03	3.58F-03
	8	6	67	66	20380.71		4021.63	2 • 4 8 6 6 2 • 4 8 6 6	0.0303 0.0303	0.0	0.0	0.0	1.41E-05	2.27F-04	1.54E-03
	6	4	6	7	8518.15		4021.84	2 • 4864	0.0620	0.0	2.26E-05	1.95E-03	2.51E-02	1 • 26E - 01	3.75E-01
	8	6	31	30	14148.75		4021.95	2.4864	0.0335	2.00E-03	7.09F-02	3.55E-01	8.30E-01	1.34F 00	1.77F 00
	<u> </u>	4	20	19	8905.38		4022.24	2.4862	0.0535	6.27E-06 3.96E-05	3.31E-03 1.69E-03	6.4CE-02	3.36E-01	9.31E-01	1.81E 00
362	5	3	2	1	6215.88		4022.40	2.4861	0.0505	1.13E-04	1.32E-03	9.25F-03	2.28F-02	3.81F-02	5.16E-02
	4	2	70	11	4405.02		4022.49	2.4860	0.0625	4.66E-03	2.29E-02	3.80F-03 4.27E-02	6.36F-03 5.51E-02	8+22F-03	9.26F-03
	4	2	27	28	5788.74		4022.75	2.4859	0.0379	1.42F-01	1.36E 00	3.55E 00	5.59E 00	5.99E-02 6.95F 00	5.95E-02
	5	3	116		30199.23		4022.87	2.4858	0.0303	0.0	0.0	1.40E-06	7.41E-05	9.57E-04	7.60F 00 5.58E-03
	8	6	66	65	20147+87		4023+01	2.4857	0.0303	0.0	2.76E-05	2.256-03	2.80E-02	1.38F-01	4.04F-01
***************************************	2	0	30	31	1817.82		4023-09	2.4857	0.0335	7.92E-02	1.13E-01	1.13E-01	1.00E-01	8.50F~02	7.08F-02
	7	5	90	89	24755.73		4023.10	2.4856	0.0303	0.0	0.0	9.65E-05	2.33F-03	1.79F-02	7-17E-02
	8	6	32	31	14260+70		4023.27	2.4855	0.0331	5.55E-06	3,09E-03	6+14E-02	3.27E-01	9.17F-01	1.79E 00
	6	4	81	80	19482.71	2	4023.45	2.4854	0.0303	0.0	0.0	2.71E-05	3.06E-04	1.41E-03	3-94F-03
	7	5	8	7	10554.90	1	4023.71	2.4853	0.0623	1.87E-04	1.76E~02	1 - 4 4E-01	4.50E-01	8.84E-01	1.34E 00
	5	3	17	18	6989.28	1	4023.85	2 • 4852	0.0568	2.89E-02	4.93E-01	1.71E 00	3.21E 00	4.47F 00	5.32F 00
	8	- 6	65	64	19918.36	1	4024.30	2.4849	0.0303	0.0	3.37E-05	2.60F-03	3.13E-02	1.51E-01	4.35E-01
19	6	4	21	20	8976-10	2	4024.38	2.4849	0.0515	3.78E-05	1.66E-03	9.28E-03	2.31E-02	3.89F-02	5.29F-02
	5	3	99	98	23038.65		4024.38	2.4849	0.0303	0.0	0.0	1.92E-06	3.62E-05	2.35E-04	8.37E-04
*	. 8	6	33	32	14376.23	,1	4024.52	2.4848	0.0326	4.88E-06	2.87E-03	5.86F-02	3.18E-01	9.00E-01	1.77E 00
	6	4	104	103	27551.57		4025.31	2.4843	0.0303	0.0	0.0	1 •18E-05	4.25E-04	4.26E-03	2.07E-02
10	<u> </u>	6	64	63	19692.16		4025.51	2.4842	0.0303	0.0	4.09E-05	2.99E-03	3.49E-02	1 • 6 4 E - 0 1	4.66F-01
	6	4	80	79	19210.62		4025.64	2+4841	0.0303	0.0	0.0	3.23E-05	3.51E-04	1.58F-03	4.33F-03
,	8	6	34	33	14495.30		4025.70	2.4840	0.0321	4.26E-06	2.65E-03	5.58E-02	3.08E-01	8.82F-01	1.75F 00
	5	3	3	2	6223.04		4025.78	2.4840	0.0609	1.68E-04	1.98E-03	5.71E-03	9.56F-03	1.24E-02	1.398-02
8	6	4	5	6	8492.22		4025.96	2.4839	0.0617	1.79E-03	6.26E-02	3 • 1 2E - 0 1	7 • 25E-01	1.17E 00	1.54E 00
	3	1	20	21	2936.50		4026.19	2.4837	0.0515	3.45E-02	8.37E-02	1 • 1 0E-01	1 - 15E-01	1 • 08F -01	9.73E-02
7 <del></del>	7		89	88	24446.47		4026.30	2.4837	0.0303	0.0	0.0	1.19E-04	2.74E-03	2.04E-02	8.01E-02
	6	4	22	21	9050.34	2	4026.46	2.4836	0.0496	3.58E-05	1.63E-03	9.26E-03	2.33E-02	3.95E-02	5.41E-02
t	8	6_	63	62	19469.31	1	4026.64	2.4835	0.0303	0.0	4.95E-05	3.43E-03	3.87E-02	1.79E-01	5.00E-01
	2	0	43	44	3782.62		4026.72	2.4834	0.0303	6.05E-01	2.21E 00	3.56E 00	4.21E 00	4.31E 00	4.12E 00
b	7	5	9	8	10584-25		4026.74	2.4834	0.0624	2.035-04	1.94E-02	1.59E-01	5.01E-01	9.87F-01	1.50E 00
		2	9	10	4365.34		4026.75	2.4834	0.0624	4.51E-03	2.17E-02	4.02E-02	5.15E-02	5.58E-02	5.53F-02
4	3	- 6	35 35	34	14617.93		4026.80	2.4834	0.0317	3.70E-06	2.45E-03	5.29E-02	2.97E-01	8-62E-01	1.73E 00
	4	1	125	36	4669+95	1	4027.02	2 • 4 8 3 2	0.0312	4.345-01	2.43E 00	4.85E 00	6.51E 00	7.26F 00	7.36F 00
3	8	- 6	62		32034.61		4027.68	2.4828	0.0303	0.0	0.0	0.0	1.78E-05	2.74E-04	1+81E-03
	_			61	19249.80		4027.70	2.4828	0.0303	0.0	5.97E-05	3.93E-03	4.29E-02	1 • 94E-01	5.34E-01
7	6	<u> </u>	79	78	18941.66	2	4027.74	2 • 4828	0.0303	0.0	0.0	3.85E-05	4.02E-04	1.76E-03	4.75E-03

VU	٧L	'Ju	JL	LOWER	CODE	WAVE" NUMBER	WAVE LENGTH	HALF WIDTH		****	* INTEGRATE	FD ** ABSOR! CM*G!		FFF[CIFNT #	*****
				ENERGY		CM-1	MICRON	Н2		T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
						-			-	m 10. 70*					
8	6	36	35	14744.11	1	4027.83	2.4 27	0.0312		3.195-06	2.24F-03	5.208-02	2.866-01	8.405-01	1.705 00
5,	· 3	98	97	22709.22	2	4027.92	2.4827	0.0303	•	C • U	0.0	5.30E-06	4 . 31E 15	2.70F-04	0.425-14
5			114	29806.66	1	4028.21	2.4825	0.0303		ň. c	0.0	1.83F-06	9.16F-05	1.14F-03	6.47F-03
4	ž	26	27	5683.57	i	4028.36	2.4824	0.0398			1.46F 00	3.71E 00	5.76E 00	7.09F 00	7.705 00
6	4	23	22	9128.10	2	4028.47	2.4823	0.0476		3.366-25	1.59F-23	9.21F-03	2.34F-02	4.00F-12	5.508-02
2	o	25	30	1704.53	. 2	4028.67	2.4822	0.0340	-	9.06E-02	1.225-01	1.198-01	1.045-01	8.735-02	7.21F-32
8	6	61	60	19033-64	1	4029.67	2.4822	0.0303		0.0	7.18F-05	4.495-03	4.75E+12	2.10F-01	5.710-01
źŝ	`3´	16	17	6922.10	î "	4028.76	2.4822	0.2585		3.036-02	4.99F-01	1.71F 20	3.175 00	4.395 00	5.195 AC
8	6	37	36	14873.83	1	4028.78	2.4821	0.0308		2.74F-06	2.156-03	4.72F-02	2.755-01	9,16F-01	1.67F CC
5	3	- 4	3	6233.77	2	4029.10	2.4819	0.0511		2.225-04	2.63F-03	7.60F-03	1.285-02	1.555-02	1.2665-02
7	5	88	67	24140.31	1	4029.43	2.4817	0.0303		0.0	0.0	1.45F-04	3.21F-^3	2.325-02	8.935-92
8	6	0.5	59	18820.86	1 .	4029.57	2.4817	0.0303		0.0	8.60E-05	5.10F-03	5.245-02	2.27F-71	6.08E-01
8	6	38	37	15007.09	1	4029.65	2.4816	0.0303		2.345-06	1.86F-03	4.43F-02	2.63F-01	7.015-01	1.635 00
6	4	EÓI	102	27196.90	í	4029.65	2.4816	0.0303		0.0	ô. ∩ `` ~`	1.495-05	5.13F-^4	4.97F-13	2.36F-92
7	5	1 C	9	10617.26	1	4029.71	2.4816	0.0624		2.165-04	2.10F-02	1.745-01	5.505-01	1.30F 00	1 ቀናቸው በሳ
6	4	78	77	18675.82	2	4029.77	2.4815	0.0303		0.0	ñ.n	4.586-05	4.50=-^4	1.9KF-03	5.196-03
6	4	4	5	8470.00	1	4 030.01	2.4814	0.0614		1.545-03	5.35F-02	2.6FF-01	5+15F-01	9.90F-01	1.30F 00
8	6	Š9"	58	18611.44	1	4030.39	2.4811	0.0303		0.0	1.03F-04	5.B0F-03	5.795-12	2.465-01	6.48F-01
6	4	24	23	9209.37	. 2_	4030-40	2.4811	0.0457		3 - 1 4E-05,	1.54F-03	9.11E-03	2.34F-02	4.04F-02	5.586-02
8	6	39	38	15143.88	i	4030.45	2.4811	0.0303		1.98E-06	1.69F-03	4.1 AF-02	2.5]5-01	7.66F-11	1.20E Ju
4	2	8	9	4329.25	2	4030.94	2.4808	0.0624		4.305-03	2.04F-02	3.77F-02.	4.755-02	E•13E-03	5.08F-02
3	1	19	20	2860.19	2	4031-11	2 • 4807	0.0535		<b>3.68E-02</b>	8.63F-72	1.11F-01	1.156-01	1.076-01	9+62E-02
8	6	58	57	18405.41	1	4031.13	2.4807	0.0303		0.0	1.235-04	6 5PE-03	6.376-12	2.66F-01	6.905-01
8	6	40	39	15284.19	1	4031.18	2 • 4 607	0.0303		1 • 6 7 F ~ C 6	1.525-03	3.875-02	5 * 30E-V1	7.39F-21	1.555 00
, 5	.3	57	.96	22382.73		4 03 į • 38	2.4805	0.03 <i>03</i> ,	3 11000	(C + O	0,• C	2.975-06	5-105-05	3.11F-04	1 • ^65-03
6	4	77	76	18413.12	2	4031.73	2.4893	0.0303		0.0	1.01F-06	5 4 2 5 - 0 5	5.25F-04	2.196-03	5.685-03
8	6	57	56	18202.77	.1	4031.79	2.4503	0.0303		0.0	1.465-74	7.445-03	7.00F-02	2.86F-01	7.335-01
8	6	41	40	15428.02	1	4031+83	2.4803	0.0303		1.40E-06	1.375-03	3.60E-02	2.27F-01	7.11F-01	1.515 00
.6.	4	25	24	9294 • 14		4032.27	2.4800	0.0437		2.91F-05.	1.49F-03	5.97F-03	2.34F-02	4.06F-12	5.65E-02
5	3	´\$	4	6248.08		4032.35	2.4799	0.0614		2.74E-C4	3.26F-03	9.46F-03	1.59F-^2	2.055-22	2.335-02
-8_	6	56	55	18003.52	. 1,	4032.37	2.4799	7.0303		^.0	1.725-04	8.306-03	7.675-02	3.085-01	7.78F-01
ě	5	42	41	15575.37		4032.40	2.4799	0.0303		1+175-06	1.22F-03	3.37F-02 1.78F-04	2.155-01	6.83F-01	1.46E ^0
- 7 7	5 5	87 11	86 10	23837.25	1	4032.47 4032.61	2.4799	0.0625		0.0 2.27F-04	0.0 2.24F-02	1.87F-01	3.76E-^3 5.95F-01	2.64E-02 1.18F 00	1.805.00
•	_							0.0575			2.03F-04	9.445-03	8.395~05	3.30=-01	9.245-01
8	- 6 6	. 55 43	54 42	17807.68 15726.23	1	4 032 • 87 4 032 • 90	2.4796	0.0303		0.0	1.09F-03	3 08F-02	2.03E-01	6.54=-01	1.42F 00
3	•	34	35	4533.94	•	4033.19	2.4794	0.0303		5.16F-01	2.71F 00	5.22F 10	A . 87E 00	7.57# 10	7.605 00
- 8	6	-27		17615.26	~;··-·	4033.30	2.4794	0.0303		0.0	2.385-04	1.068-02	9.15E-02	3.54F-01	8.71F-01
8	6	44		15880.58		4033.32	2.4793	0.0303		0.0	9.685-04	2.84F-C2	1 • 91F-01	6.26=-01	1.37F 00
2	~ 0	42	43	3615454	î	4033.43	2.4793	0.0303		7.54F-01	2.55F 00	3.04F 00	4.550 00	4.59F 00	4.33= 00
5	_	114		29416.86	ì	4033.46	2.4793	0.0303		r .c	2.0	2.305-06	1-13F-04	1.35F-03	7.485-03
. 5	3"		16	6858.63		4033.59	2.4792	0.0591		3.14F-02	5.02F-01	1 69F 10	3-115 00	4.28- 00	5.04F 20
	4	76	75	18153-57		4033.60	2.4792	0.0303		C • 0	1.275-06	6.41E-05	5.9BE-04	2.435-03	6.206-03
~ 6	- 6	E3 '	52	17426.27		4033.65	2.4791	0.0303		n n	2.79E-04	1.18F-02	9.96F-02	3.78F-11	9.195-91
8	6	45	44	16038.43		4033.66	2.4791	0.0303		0.0	8.56F-04	2.616-02	1.805-01	5.976-01	1.325 00
- 4		124	123	31613.57		4033.77	2.4791	0.0303	•	0.0	0.0	0.0	2.23F-05	3.30F-04	2.12F-03
4	2	25	26	5582.12	-	4033.90	2.4790	0.0418		1-80F-04	1.560 00	3.86F 00	5.918 00	7.205 00	7.785 00
В	6	- 52	ร์วี ′	17240.70		4033.92	2.4790	0.0303		້າດ້. ກ	3.25F-04	1.325-72	1 • ^9F=11	4.03F-01	9+67E-91
6		102	101	26845-17	1	4033.92	2.4790	0.0303		0.0	_h.n	1 -99F-05	6 • 1 BE-04	5.70=-03	2.4802
-8	6	~4e	45	16199.77		4033.93	2.4790	6.0303	. ,	0.0	7.545-04	2.30F-02	1.68E-01	5-68F-11	1.27F 30
.6	4	3	4	8451.48		4034.00	2.4789	0.0611		1.28F-03	4.38F-12	2.165-01	5.00F-01	ูค • ด วF − ว 1	1.05F 00
`6 `	4	26	25	9382.42	2 -	4034.08	2 • 4789	์ 0∙กั418ั		2.68F-05	1.435-93	8.80F~^3	2.32F-^2	4.07F-92	5.69E-02
8	્6	47	46	16364.60	.1 .	4634.12	2.4789	0.0303		0.0	6.62F-04	2 18F-02	1.575-01	5.30F-01	1.22F 00
					,										

								RBON MONOX						
¥U	٧L	Jü	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRATI	ED ** ABSORI CM*GI		EFFICIENT **	******
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
8	6		'50	17058.57	1	4034-12	2.4789	0.0303	0.0	3.78E-04	1.47E-02	1 • 17E-01	4.29E-01	1.02E 00
2	0		29	1594.85	2	4034.19	2.4788	0.0359	1.03E-01	1.32E-01	1.25E-01	1.085-01	8.94F-02	7.34E-02
88	6		49	16879.89	1	4034.23	2.4788	0.0303	0.0	4.37E-04	1.63E-02	1.27E-01	4.56F-01	1.07E 00
8	6		47	16532.89	1	4034.23	2.4788	0.0303	0.0	5.79E-04	1.98F-02	1.47E-01	5-11E-01	1.17E 00
8	6		48	16704.66	2	4034-27	2+4788	0.0303	0.0	5.04E-04	1.80E-02	1.36E-01	4+83E-01	1.12E 00
5	3		95	22059.18	2	4034.76	2.4785	0.0303	0.0	0.0	3.69E-06	6.03E-05	3•56E~04	1.19E-03
4	2		8	4296.77		4035.07	2.4783	0.0623	4.02E-03	1.885~02	3.41E-02	4+33E-02	4.66E-02	4-60E-02
6	4		74	17897•18	2	4035.41	2.4781	0.0303	0.0	1.59E-06	7.56F-05	6.795-04	2.69F-03	6.75F-03
7	5		11	10694.28	1	4035.42	2.4781	0.0617	2.35E-04	2.37E-02	2.00E-01	6.38E-01	1.27F 00	1.95F 90
7	5		85	23537.30	1	4035.43	2.4781	0.0303	0.0	1.18F-06	2+17E-04	4.39E-03	3.005-02	1.11F-01
5	3		5	6265.97	2	4035+53	2.4780	0.0617	3 • 23E-04	3.87E-03	1 • 1 3F - 02	1.90E-02	2.47F-02	2.79F-02
6	4		26	9474.20	2	4035.81	2.4778	0.0398	2.45E-05	1.37F-03	8.60E-03	2.30E-02	4.07F-02	5.72E-02
3		18	19	2787.51	2	4035497	2.4777	0.0552	3.90E-02	8.83F-02	1.12E-01	1 - 14E-01	1.96F-01	9.47F-02
6	4		73	17643.96	2	4037.14	2 • 4770	0.0303	0.0	1.99E-06	8.89E-05	7.71E-04	2.98E-03	7.35F-03
. 6			27	9569.48	2	4037.47	2.4768	0.0379	2.22E-05	1.30E-03	8.37E-03	2.27F-02	4.05F-02	5.74F-02
6	4		3	8436.66	_	4037.91	2.4765	0.0609	9.81E-04	3.35F-02	1.65E-01	3.80E-01	6.098-01	7.99E-01
5	3		94	21738.60	. 2	4038.07	2.4764	0.0303	0.0	0.0	4.56E-06	7.12F-05	4.08E-04	1.33E-03
6	4		100	26496.37	1	4 038 - 09	2.4764	0.0303	0.0	0.0	2.39F-05	7.43E-04	6.73E-03	3.04F-02
	5		12	10738.28	1	4038.17	2.4764	0.0610	2.40E-04	2.47E-02	2.11E-01	6.78E-01	1.35E 00	2.08F 00
364 5	5		84	23240 • 48		4038.30	2 • 4763	0.0303	0.0	1.54F-06	2.64E-04	5.12E-03	3.40F-02	1.235-01
	3		15	6798+89	1	4038.37	2.4762	0.0597	3.22E-02	5.01F-01	1.66F 00	3.03F 00	4.15E 00	4.87F 00
, 5	3		112	29029.84	1	4 038 • 64	2.4761	0.0303	0.0	0.0	3.11E-06	1.39F-04	1.615-03	8.65E-03
5	3		6	6287.43	2	4038.65	2.4761	0.0620	3.67E-04	4.45E-03	1.30E-02	2.50E-05	2.87F-92	3.255-02
6	4		72	17393.93	2	4038.79	2.4760	0.0303	0.0	2.48F-06	1.04E-04	8.72E-04	3.29E-03	7.98F-03
6	4	29	28	9668.25	2	4039.07	2 • 4 758	0.0359	2.01E-05	1.23F-03	8-12E-03	2.23E-02	4.02E-02	5.74F-02
4	2		7	4267.90	2	4039.13	2.4758	0.0620	3.68E-03	1.70E-02	3.06E-02	3.87E-02	4-15F-02	4.09E-02
3			34	4401.64		4039.29	2.4757	0.0321	6.08F-01	3.00E 00	5.60E 00	7.23E 00	7.87F 00	7.83F 00
. 4	2		25	5484.40	1	4039.38	2 • 4756	0.0437	2.00E-01	1.65F 00	4.01F 00	6.05E 10	7.30F 00 1	7.83E 00
2	0		28	1488.60	2	4039.64	2 • 4 755	0.0379	1.17F-01	1+42E-01	1.31E-01	1.11F-01	9.145-02	7.45E-22
4	2		122	31195.18	1	4039.78	2.4754	0.0303	0.0	0 • n	0.0	2.79E-05	3.96E-04	2 47E-03
<u>2</u>	. 0		42	3452.15	1	4 04 0 • 09	2.4752	0.0303	9.36E-01	2.92E 00	4.35F 00	4 90E CO	4.87E 00	4 - 54E 00
	4		71	17147.08		4040.37	2.4750	0.0303	0.0	3.08E-06	1.22E-04	9.85E-04	3.63F-03	8.66F-03
<u>6</u>	4		29	9770.52	2	4 04 C • 59	2.4749	0.0340	1-80E-05	1.16E-03	7.84F-03	2.19E-02	3.98E-02	54725-02
3 7	1 5		18	2718.44	2	4040.77	2.4748	0.0568	4.11E-02	8.99E-02	1 • 1 2F-01	1 - 13E-01	1 • 95F-01	0.58E-05
7	5		13 83	10785.94		4040.85	2.4747	0.0604	2.43E-04	2.56E-02	2.21F-01	7 • 1 4E-01	1 • 4 3F 20	2.21F 00
5	3		93	22946.81	1	4041.09	2 • 4 7 4 6	E0E0•0	0.0	2.01E-06	3.20F-04	5.96E-03	3.84F-02 L	.1.36F-01
5			7	21420.99	2	4041.30	2.4745	0.0303	0.0	0.0	5.63F-06	8.40E-05	4.67E=04	1.49F-03
	4	1	2	6312.47	2	4041.70	2.4742	0.0623	4 • 07E-04	4.995-03	1 475-02	2.50E-02	3.26F-02	3.70E-02
6				8425-54		4041.76	2.4742	0.7606	6.68E-04	2.27F-02	1.11E-01	2.565-01	4-10F-01	5.38E-01
6	4		70	16903.43		4041.87	2 • 4741	0.0303	0.0	3.81F-06	1.43F-04	1.11E-03	4.00F-03	9.37E-03
6			30	9876-27	2	4042.05	2.4740	0.0335	1.61E-05	1.09F-03	7.56E-03	2414F-02	3.94F-02	5.70E-02
5	4		99	26150-54	1	4042+19	2.4739	0.0303	0.0	0.0	3.02E-05	8-91F-04	7.81E-03	3.45F-02
- 3	3 2		14	6742-87	1	4043.07	2.4734	0.0604	3.27E-02	4.96E-01	1.62F00	2.94F 00	4.00E 00	4.68F 00
	4		6	4242.63	2	4043.13	2.4733	0.0617	3.29E-03	1.50F-02	2.68F-02	3.38E-02	3-62E-02	3.56F-02
6			69	16662.99	2	4.043.30	2.4732	0.0303	0.0	4.70E-06	1.66F-04	1.25F-03	4.405-03	1.01E-05
7	4 5		31	9985.50	2	4043.44	2.4731	0.0331	1.43E-05	1.02F-03	7.27E-03	5 • 00E-05	3.88E-02	5.665-02
5	3		14	10837-26		4043.46	2.4731	0.0597	2.43E-04	2.62E-02,	2.295-01	7.47F-01	1.51F_00	2.33E 70
7	5			28645.63		4043.72	2.4730	0.0303	0.0	0.0	4.04E-06	1.71E-04	1.90F-03	9.98E-93
5	3		82	22656.29	1	4 04 3 • 81	2.4729	0.0303	0.0	2.60F-06	3.88E-04	6.92E-03	, 4.345 <u>-02</u>	1.515-21
			92	21106-37		4044-45	2.4725	0.0303	0.0	0.0	6.93F-06	9.88F-05	5.33F-04	1.67F-03
6 5	<del></del>		68	16425.77		4044.65	2.4724	0.0303	0.0	5.78E-06	1.93E-04	1.40E-03	4∙8303	์ i •้อื่ะ⊶oืร์
_			8	6341.08	2	4044.69	2.4724	0.0624	4.42E-04	5.50F-03	1.63E-02	2.78F-12	'3+64 <u>F</u> -92	4 - 1 4E-02
6			<u> 32</u>	10098.21	2	4044.75	2.4723	0.0326	1.26E-05	9.52E-04	6.96E-03	2.045-02	3.82-02	5+61F-02

VU	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORI CM*GI	PTION ** CO M-1	EFFICIENT *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	2	23	24	5390.41	1	4044.79	2.4723	0.0457	2.21E-01	1.75E 00	4.14E 00	6.16E 00	7.38E 90	7.86E 0
2		26	27	1386.36		4045.03	2.4722	0.0398	1.31E-01	1.51E-01	1.37F-01	1.14E-01	9.31E-02	7.53E-02
3	1_	32		4273.06		4045.33	2.4720	0.0326	7.13E-01	3.308 00	5.98E 00	7.59E 00	8.16E 00	8.05F 0
3	1	16	17	2652.99		4045.51	2:4719	0.0585	4.28E-02	9409E-02	1.11F-01	1-12E-01	1.03E-01	9.05E-0
6	4		1	8418.13		4 045 - 53	2.4719	0.0603	3+39E-04	1 • 15E-02	5.61E-02	1 • 29E-01	2.07E-01	2.71F-01
4		122		30779.46		4045.70	2.4718	0.0303	0.0	0.0	0.0	3.48E-05	4.76E-04	2.89E-0
6_	<u> 4</u>	68	67	16191.77		4045.93	2.4716	0.0303	0.0	7.08E-06	2.23E-04	1.57E-03	5.28E-03	1 • 1 BE - 0
7	5	16	15	10892+23		4045.99	2.4716	0.0591	2.41E-04	2.67E-02	2.36E-01	7.77E-01	1.58E 00	2.45E 00
		34	. <u>33</u> .	10214.39		4 046 00	2.4716	0.0321	1.11E-05	8.84E-04	6+64E-03	1.98E-02	3.75E-02	5.55E-0:
3	4	99 131		25807.67 32796.18		4046.20 4046.39	2•4715 2•4713	0.0303 0.0303	0.0 0.0	0•0	3.80E-05 0.0	1.07E-03 6.29E-06	9.05F-03 1.04E-04	3.91E-02 7.27E-04
		82	81	22368.93		4046.44	2.4713	0.0303	, 0.0	3.37E-06	4.68F-04	8.02E-03	4.89F-02	1.67E-01
ž	Ö	40	41	3292.48		4046.68	2.4712	0.0303	1.15E 00	3.34E 00	4.78E 00	5.27E 00	5.16E 00	4.76F 00
	<u>ž</u>	4	~ <del>``</del> 5	4220.97		4047.07	2.4709	0.0614	2.84E-03	1.28E-02	2.28E-02	2.875-02	3.06E-02	3.01E-02
6	4	67	66	15961.02		4047.13	2.4709	0.0303	0.0	8.65E~06	2.58E-04	1.75E-03	5.78E-03	1.27F-02
6	4	35	34	10334.05		4047.18	2.4709	0.0317	9.67E-06	8-16E-04	6.31E-03	1.91E-02	3.67E-02	5.48E-0
5	3	92	91	20794.75		4047.52	2.4706	0.0303	0.0	0.0	8.51E-06	1.16E-04	6.08E-04	1.86E-0
5	3	10	9	6373.27	2	4047.60	2.4706	0.0624	4-72E-04	5.96E-03	1.78F-02	3.05E-02	4.01E-02	4.56E-0
5	3	12	13	6690.57		4047.71	2.4705	0.0610	3.29E-02	4.86E-01	1.57E 00	2.83E 00	3.83E 00	4.46E 00
6 5 5 6	4	66	65	15733.51	2	4048.26	2.4702	0.0303	0.0	1.05€-05	2.97E-04	1.96E-03	6.30E-03 \	1.36E-02
<u> </u>	4	36	35	10457.16		4048.28	2.4702	0.0312	8.39E-06	7.51F-04	5.98E-03	1 .84E-02	3.58E-02	5.39E-02
7	5	17		10950.85		4048.45	2.4701	0.0585	2.36E-04	2.69E-02	2.42E-01	8.02E-01	1.64E 00	2.55F 00
		111		28264.23		4048.72	2.4699	0.0303	0.0	0.0	5.24E-06	2.10E-04	2.25E-03	1.15E-02
7	5	61	80	22084.76		4048.98	2.4698	0.0303	0.0	4.35E-06	5.64E-04	9.28E-03	5.51E-02	1.842-01
6	4	37	.36	10583.74		4049.32	2.4696	8050•0	7.23E-06	6.88F-04	5.65E-03	1.776-02	3.49E-02	5.30E-02
6	4	65	64	15509.25		4049.32	2.4696	0.0303	0.0	1.28E-05	3 -4 1E-04	2.186-03	6.865-03	1.46E-02
	4/2	. <u>58</u>	<del>97</del> <del>23</del> -	25467.79		4050.12	2.4691	0.0303	0.0	0.0	4.76E-05	1.28E-03	1.05E-02	4.42E-02
3	1	15	16	5300.14		4050.13	2.4691	0.0476	2.428-01	1.84E 00	4.26E 00	6.26E 00	7.42E-00	7-86E 00
		36	37	2591.16		4050.18	2.4690	0.0591	4.43E-02 6.20E-06	9.12F-02	1.105-01	1.09E-01	1.00E-01	8.79F-02
6	4	64	63	15288.27		4050.30	2.4690	0.0303	0.0	6.28E-04 1.54E-05	5.32E-03 3.91E-04	1.70E-02 2.42E-03	3.39E-02 7.46E-03	5.19E-02
<u>2</u>		25	26	1287.55		4050.36	2.4689	0.0303	1.46E-01	1.61E-01	1.42E-01	1.17E-01	9.46E-02	7.60E-02
5	3	11	10	6409.02		4050.45	2.4689	0.0625	4.96E-04	6.37E-03	1.92F-02	3.31E-02	4.36E-02	4.98E-02
5	· <u>3</u>	91	90	20486.14		4050.52	2.4688	0.0303	0.0	0.0	_ 1.04E-05	1 €36E~04	6.91E-04	2.07E-03
7	Š	18	17	11013.12		4050.84	2.4686	0.0568	2.30E-04	2.70E-02	2.46E-01	8-24E-01	1.69E 00	2.65E 00
4	2	Ē	4	4202,92		4050.94	2.4686	0.0611	2.34E-03	1.05E-02	1.86E-02	2.33F-02	2.48F-02	2.44E-02
6	. 4	39	38	10847.26	2	4051.18	2.4684	0.0303	5.29E-06	5.71E-04	4.99E-03	1.63E-02	3.28E-02	5.08E-0
6	4	63	62	15070.55	\ 2	4051.21	2 • 4 6 8 4	0.0303	0.0	1.86E-05	4.47E-04	2.68E-03	8.09E-03	1 • 67E-02
3	1	31	32	4148.21	1	4051.30	2.4683	0.0331	8.31E-01	3.62E 00	6.37E 00	7.94E 00	8.43E 00	8.25E 0
7	- 5	80	79	21803.77	1	4 05 1 . 45	2.4683	0.0303	0.0	5.59E-06	6.78E-04	1.07F-02	6.19F-02	2.035-01
4_		121		30366.41		4051.53	2.4682	0.0303	0.0	0.0	0.0	4.35E-05	5.71E-04	3.37E-03
6	4	40	39	10984.19		4052.01	2.4679	0.0303	4.48E-06	5.17E-04	4.67E-03	1.55E-02	3.17E-02	4.95E-01
6	4	62	61	14856.11		4052.04	2.4679	0.0303	0.0	2.23E-05	5.10E-04	2.96E-03	8.76E-03	1.785-02
5	3	11	12	6642.00		4052.28	2.4677	0.0617	3.28E-02	4.72E-01	1.51E 00	2.70E 00	3.64F 00	4.22E 00
<u>6</u> _	4-	41	40	11124.55		4052.76	2 • 4 6 7 5	0.0303	3.78E-06	4.66E-04	4.35E-03	1.48E-02	3.06E-02	4 • 82E-02
-, 6	4	61	60	14644.96		4052.80	2.4674	0.0303	0.0	2.66E-05	5.79E-04	3.26E-03	9+47E-03	1.90E-02
<u>-</u> <u>6</u>	<del>4</del> -	177	<u> </u>	8414.43		4052-87	2.4674	0.0603	3.44E-04	1.16E-02	5.69E-02	1.31E-01	2+09E-01	2.74E-0
· <del>-</del>		130		32355-13		4052.99	2.4673	0.0303	0.0	0.0	0.0	7.99E-06	1 • 27E-04	8.58E-04
7 2	5	19	18	11079-05		4053-16	2.4672	0.0552	2.22E-04	2.69E-02	2.49E-01 ·	8-42E-01	1.74E 00	2.74E 00
	_	39	40	3136.53		4053.20	2.4672	0.0303	1.42E 00	3.80E 00	5.24E 00	5.65E 00	5.45E 00	4.97E 00
<u>5</u>	<u>3</u>	90	11 89	6448.35 20180.55		4053.24	2.4672	0.0617	5.14E-04	6.73E-03	2.05E-02	3.55E-02	4.70E-02	5.37F-02
_						4053.43	2.4670	0.0303	0.0	0.0	1.27E-05	1.59F-04	7 • 85E-04,	2.30E-03
6	4	42	41	11268.36	2	4053.45	2.4670	0.0303	3.17E-06	4.18E-04	4.056-03	1.40E-02	2.94E-02	4.69E-0:

- VU	VL.	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	*****	** INTEGRAT	ED ** ABSORI CM*Gi		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
6	4	60	59	14437.11	2	4053.49	2.4670	0.0303	0.0	3-18F-05	6.57F-04	3.59E-03	1.02E-02	2.02E-02
5			109	27885.68	1	4053.63	2.4669	0.0303	0.0	0.0	6.78E-06	2.57E-04	2.66E-03	1.32E-02
7	5	79	78	21525.99	. 1	4053.83	2.4668	0.0303	0.0	7.16E-06	8.13E-04	1.235-02	6.94F-02	2.235-01
6	4	97	96	25130.91	1	4053.96	2.4667	0.0303	0.0	0.0	5.97E-05	1 • 52E-03	1.21E-02	4.98F-02
6	4	43	42	11415.59	2	4 054 - 06	2.4667	0.0303	2.64F-06	3.74F-04	3.75E-03	1.33E-02	2.83F-02	4.55E-02
6	4	59	58	14232.57		4054.11	2.4666	0+0303	0+0	3.78E-05	7.44F-04	3-95E-03	1.10E-02	2.15E-02
6	4	44	43,	11566.25		4054.60	2.4663	0.0303	2.19E-06	3.34E-04	3.47E-03	1.255-02	2.71F-02	4.40E-02
6	4	58	57 ,		2	4054.65	2.4663	0.0303	0.0	4.48E-05	8.41E-04	4.33E-03	1.19E-02	2.28F-02
	_ 2	2	3	4188.48	2	4054.75	2.4662	0.0609	1.80E-03	7.99E-03	1.428-02	1.77E-02	1 +89E-02	1+85E-02
3	1	14	15	2532.96		4054.79	2.4662	0.0597	4.54E-02	9.09E-02	1.08E-01	1.07E-01	9.69E-02	8.48E-02
6	4_	45	44	11720.32		4055.07	2.4660	0.0303	1.80E-06	.2.96E-04	3.19E-03	1.18E-02	2.59F-02	4.25E-02
6	4	57	56	13833.44	21	4055.11	2.4660	0.0303	0.0	5.30E-05	9.48E-04	4.75E-03	1.28F-02	2.42F-02
7	. 5	20	19	11148.61	1	4055.40	2.4658	0.0535	2.13E-04	2.66E-02	2.51F-01	8.56E-01	1.78F 00	2.82F 00
4	2	21	22	5213.61		4055.41	2.4658	0.0496	2.64E-01	1.92E 00	4.36E 00	6.33E 00	7.44E 00	7.84E 00
6	4	46	45	11877.80		4055.47	2.4658	0.0303	1.48E-06	2.62E-04	2.93E-03	1.11E-02	2.47E-02	4.10F-02
6	4	56	55	13638.86		4055.51	2.4658	0.0303	0.0	6.24E-05	1+07E-03	5-19E-03	1+37E-02	2.56E-02
2	0	24	25	1192-36		4055.63	2.4657	0.0437	1.62E-01	1.71E-01	1.48E-01	1.20E-01	9.58E-02	7.65F-02
6	4	47	46	12038.69		4055.80	2.4656	0.0303	1.21E-06	2.31E-04	2.68E-03	1+04E-02	2.35E-02	3.94E-02
6	4	55	54	13447.62		4055.83	2.4656	0.0303	0.0	7.32E-05	1.19E-03	5.66E-03	1.46E-02	2.71E-02
6 6 ·	3	13	12	6491.25		4 055 • 96	2.4655	0.0610	5.27E-04	7.04E-03	2.17E-02	3.77E-02	5.01E-02	5.75E-02
		48	47	12202.98		4056.06	2.4654	0.0303	0.0	2.02E-04	2.45E-03	9.71E-03	2.23E-02	3'-79E-02
6	4	54	53	13259.72		4056.08	2.4654	0.0303	0.0	8.55E-05	1.33E-03	6.15E-03	1.565-02	2.865-02
	5	78	77	21251.42		4056-14	2+4654	0.0303	0.0	9-14E-06	9.72E-04	1 • 42E-02	7.77E-02	2.46E-01
6	4	49	48	12370.66		4056.24	2.4653	0.0303	0.0	1.77E-04	2.23E-03	9.05E-03	2.11E-02	3.63E-02
6	4	53	52	13075-18	2	4056.26	2.4653	0.0303	0.0	9.97E-05	1.49E-03	6.68E-03	1.67E-02	3.01E-02
5	3	89		19878-00		4056.27	2.4653	0.0303	0.0	0.0	1.56E-05.	1.86E-04	8.93E-04	2.57E-03
6	4	50	49	12541.73	2	4056.35	2+4653	0.0303	0.0	1 . 54E-04	2.02E-03	8.42E-03	2.00E-02	3.47E-02
6	4	52	51	12893.99	2	4056.36	2.4653	0.0303	0.0	1.16E-04	1.65E-03	7.23E-03	1.78E-02	3.16E-02
6	4	51	50	12716-17		4 056 - 39	2.4652	0.0303	0.0	1.34E-04	1.83E-03	7.81E-03	1.89E-02	3.32E-02
6	4	2	1	8418.13		4056.44	2+4652	0.0606	6.89E-04	2.33E-02	1 -14E-01	2.63E-01	4.21E-01	5.52E-01
5	3	10	11	6597.16		4056.78	2.4650	0.0625	3.22E-02	4.54E-01	1.44E 00	2.55E 00	3.42E 00	3.96E 00
3	1	30	31	4027.09		4057.21	2 • 4647	0.0335	9.61E-01	3.96E 00	6.76E 00	8.28E 00	8.69E 00	8.44E 00
7		120		29956.07		4 057 - 28	2.4647	0.0303	0.0	0.0	1.06E-06	5 • 41 E-05	6.84E-04	3.92E-03
-	5	21	20	11221.82	1	4057.57	2.4645	0.0515	2.02E-04	2.62E-02	2.51E-01	8.67E-01	1.81E 00	2.88E 00
	4	96	95	24797.05		4057.72	2.4644	040303	0.0	0.0	7.45E-05	1.815-03	1.39E-02	5.62E-02
7	5	77	76	20980.08	1	4 058.36	2.4640	0.0303	0.0	1.16E-05	1.16E-03	1.63E-02	8.69E-02	2.69E-01
<u>5</u>		109		27509.97	1	4058 46	2.4640	0.0303	0.0	0.0	8.74E-06	3 - 14E-04	3.14E-03	1.52E-02
. 5	, 2		2	4177.65		4 05 8 49	2.4640	0.0606	1.23E-03	5.41E-03	9.56E-03	1 - 1 9E-02	1.27E-02	1.24E-02
	3	14	13	6537-71	2	4058.61	2+4639	0.0604	5.33E-04	7+29E-03	2 •27E-02	3.98E-02	5.31E-02	6.12E-02
3	1	88	87	19578.50	2	4059.04	2+4636	0.0303	0.0	0.0	1.90E-05	2 • 18E-04	1.01E-03	2.85E-03
3			128	2478.38		4059.33	2.4635	0.0604	4.60E-02	B.99E-02	1.06E-01	1.03E-01	9.34E-02	8-14E-02
. 2	1	129 38	39	31916.65	1	4059.49	2.4634	0.0303	0.0	0.0	0.0	1.01E-05	1.548-04	1.01E-03
7	5		21	2984.30	<del></del>	4059.66	2.4633	0.0303	1.72E 00	4.31E 00	5.73E 00	6 • 04E 00	5.74F 00	5-19E 00
6	D	22 3		11298-67		4059.67	2.4633	0.0496	1.90E-04	2.56E-02	2.51E-01	8 73E-01	1.84E 00	2.94E 00
7	5	76	75	8425.54		4059.93	2.4631	0.0609	1.03E-03	3.49E-02	1.71E-01	3.95E-01	6.33E-01	8.30E-01
í	2	20		20711.97		4060.50	2.4628	0.0303	0.0	1.48E-05	1.38E-03	1.86E-02	9.69E-02	2.95E-01
2	0	23	21	5130.82		4060-62	2.4627	0.0515	2.85E-01	1.99E 00	4.44E 00	6.37E 00	7.43E 00	7.78E 00
5	3	15		1100.81		4060-84	2.4625	0.0457	1.79E-01	1.80E-01	1.526-01	1 - 22E-01	9.66E-02	7.67E-02
5	<del>-3</del>	10	14	6587.74	2	4061-19	2.4623	0.0597	5.35E-04	7.49E-03	2.36E-02	4.17E-02	5.59E-02	6.46E-02
J A	- 4		10	6556-05	1	4061.21	2.4623	0.0624	3.12E-02	4.326-01	1.35E 00	2.3BE 00	3.19E 00	3.68E 00
7	- 5	95	94	24466.21		4061.39	2.4622	E0E0+0	0.0	0.0	9.29E-05	2.15E-03	1.61E-02	5.32E-02
		23	22	11379.15		4061.69	2 • 4620	0.0476	1.785-04	2+49E-02	2.48E-01	8.76E-01	1.86E 00	2.99E 00
•	. 3	87	86	19282.05	2.	4061.72	2.4620	0.0303	0.0	0.0	2.31E-05	2.54E-04	1.15E-03	3.17E-03

¥Ü	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR CM*G		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 350
4	2	0	1	4170.43	2	4062.16	2.4617	0.0603	6.23F-04	2.74E-03	4+83E-03	6.02E-03	6.40E-03	6.27E-0
7	5	75	74	20447.11	1	4062.56	2.4615	0.0303	0.0	1.87E-05	1.64E-03	2 • 13F-02	1.08E-01	3.236-0
4		119		29548.44	_1	4062.94	2.4613	0.0303	0.0	0.0	1.40E-06	6.75E-05	8.20E-04	4.57E-0
3	1	29	30	3909.71	1	4063.05	2.4612	0.0340	1.11E 00	4.30E 00	7.15E 00	8.61E 00	8.94E 00	8.61E 0
5_		108		27137.13	1	4063.20	2+4611	0.0303	0.0	0.0	1.136-05	3.83E-04	3.69F-03	1.75F-0
6	4	4	3	8436-66	1	4063.36	2.4610	0.0611	1.36E-03	4.64E-02	2.28F-01	5-27E-01	8.44E-01	1.11E 0
<u>7</u>	5	24	23	11463.27	_1	4063.65	2.4608	0.0457	1.66E-04	2.41F-02	2.45E-01	8.76E-01	1.88E 00	3.03F 0
5	3	16	15	6641.34	2	4063.70	2.4608	0.0591	5.31E~04	7.63E-03	2.44E-02	4.34E-02	5.84E-02	6.78E-0
3	1_	12	13	2427.44	<u>2</u>	4063.81	2.4607	0.0610	4 • 6 2E~0 2	8.81E-02	1.02E-01	9.93E-02	8.93F-02	7.765-0
5	3	86	85	18988-68	2	4064.33	2.4604	0.0303	0.0	0.0	2.81E-05	2.95E-04	1.30E-03	3.51F-0
<u> </u>	5	74	73	20185.51	1	4064.54	2.4603	0.0303	0.0	2.35E-05	1.94E-03	2.425-02	1.20E-01	3.526-0
6	4	94	93	24138.43	1	4064.98	2.4600	0.0303	0.0	0.0	1 + 1 5E - 0 4	2.55E-03	1.85E-02	7.11E-0
	5	25	24	11551.01		4065.52	2.4597	0.0437	1.53E-04	2.32F-02	2.41E-01	8.72E-01	1.88E 00	3.06E (
, 5	3	8	9	6518.68	1	4065.57	2.4597	0.0624	2•98E-02	4.05E-01	1.26E 00	5.50E 00	2.94E 00	3.38E (
4_	2	19	20	5051.77	_ 1	4065.76	2.4596	0.0535	3.06E-01	2.06E 00	4.50E 00	6.38E 00	7.39E 00	7.70F
3	1		127	31480.76	1	4065.91	2 • 4595	0.0303	0.0	0.0	0.0	1.28E-05	1.87E-04	1.19E-9
2		22	23	1012.90		4065.98	2.4594	0.0476	1.95E-01	1.89E-01	1.56E-01	1-24E-01	9.72E-02	7.66E-6
2	0	37	38	2835.80	1	4066.06	2.4594	0.0303	2.09F 00	4.86E 00	6.24E 00	6.44E 00	6.03E 00	5.40E
5	3	17	16	6698.49		4066-15	2•4593	0.0585	5.23E-04	7.72E-03	2.50E-02	4.48E-02	6.08F-02	7.07F
367	5	73	72	19927-18	1	4066.44	2.4592	0.0303	0.0	2.95F~05	2.29E-03	2.76E-92	1.33E-01	3.84E-
	. 4	5	4	8451.48	1	4066.71	2.4590	0.0614	1+67E-03	5.75E-02	2.84E-01	6.57E-01"	1.05E 00	1.39E
4			101	22167.28	2	4066.83	2.4589	0.0303	0.0	0.0	2.27E-06	3.77€-05	2.25E-04	7.57F-0
5_		85	84	18698.40	2	4066.86	2 • 4589	0.0303	0.0	0.0	3.40E-05	3.43E-04	1.47E-03	3.89E~
7	5	26	25	11642.38	1	4067.33	2.4586	0.0418	1.40E-04	2.22E-02	2.36E-01	8.65F-01	1.89F 00	3.08F
5_		107		26767.18		4067.85	2.4583	0.0303	0.0	0.0	1.45E-05	4.67E-04	4.34E-03	2.00E-
3 7	1	11	12	2380.12	2	4068.23	2.4581	0.0617	4.59E-02	8.55E-02	9.82E-02	9.47F-02	8.485-02	7.35E-0
	<del>- 5</del>	72 93	71	19672-14	1	4068.26	2.4581	0.0303	0.0	3.70F-05	2.69E-03	3.13E-02	1 • 47E-01	4.18E-0
4		118	92	23813.70	1	4068.49	2.4579	0.0303	0 • 0	0.0	1 • 4 3 E - 0 4	3.02F-03	2 • 1 2F - 0 2	7.98E-
5				29143-55	1	4068-51	2.4579	0.0303	0.0	9.0	1.85E-06	8.40E-05	9.82E-04	5.33F-0
	3	18	17	6759.20	2	4068.53	2.4579	0.0568	5.10E-04	7.76E-03	2+55E-02	4 • 61 E-02	6.28E-05	7.35E-0
<u>3</u>		28	29	3796.07	1	4068.82	2.4577	0.0359	1.27E 00	4.66F 00	7.54E 00	8.94E 00	9.18E 00	8.77E
4	5	27 1	26	11737.38	1	4069.06	2.4576	0.0398	1.28F-04	2.12E-02	2.30E-01	8.55E-01	1.88F 00	3.10E
5	2	84	83	4166-82	_ 2	4069.32	2.4574	0.0603	6.33E-04	2.78E~03	4.895-03	6.10E-03	6.49E-03	6.356~
5	3	7	_	18411.21	2	4069.32	2.4574	0.0303	0.0	0.0	4.10F-05	3.97E-04	1.66E-03	4.30F-0
6	4	<del></del>	<u>. 8</u> 5	6485.03		4069.87	2.4571	0.0623	2.79E-02	3.73E-01	1.15E 00	5.01E 00	2.67E 00	3.07E
7	5	71	70	8470.00	1	4069.99	2.4570	0.0617	1.97E-03	6.82E-02	3.38E-01	7.85E-01	1.26F 00	1.66E
4			100	19420.38 21825.82	1	4069.99	2.4570	0.0303	0.0	4.61F-05	3-16E-03	3.54E-02	1.63E-01	4.54E-
7	5	28			2	4070.58	2.4567	0.0303	0.0	0.0	2.85E-06	4 • 51 E-05	2.61E-04	8.565-
<del> ′</del> 5	3	<del></del>	27	11835.99	_1	4070.71	2.4566	0+0379	1.15E-04	2.01E-02	2.23E-01	8 • 42E-01	1.87F 00	3-10E
_	2		18	6823.48	2	4070.84	2.4565	0.0552	4.93E-04	7.74F-03	2.58E-02	4.72E-02	6 • 47E-02	7.605-0
2	-	18 21	22	928.62	1	4070.84	2.4565	0.0552	3.25E-01	2.11E 00	4.53F 00	6.37E 00	7.32E 00	7.59E
7	5	70			2	4071.06	2.4564	0.0496	2.12E-01	1.97E-01	1.606-01	1 . 25E-01	9.736-02	7.63E-0
5	3	23	69 82	19171.93	1 2	4071-65	2.4560	0.0303	0.0	5.73E-05	3.70E-03	4.01E-02	1.80E-01	4.93E-0
6	4	92	91	23492.04		4071.70	2.4560	0.0303	0.0	2.0	4.95E-05	4.60F-04	1.86E-03	4.75F-0
3			126	31047.46	1	4071.91	2.4558	0.0303	0.0	0.0	1.77E-04	3.57E-03	2 • 4 3E -02	8 • 94E-0
7	5	29	28		1	4072.24	2.4557	0.0303	0.0	0.0	0.0	1.62E-05	2.27E-04	1.405-0
		36	37	2691.03	1	4072.30	2.4556	0.0359	1.04E-04	1.90E-02	2.16E-01	8.26E-01	1.85F 00	3.09€ (
5		106		26400-13	•	4072.39	2.4556	0.0308	2.52E 00	5.46F 00	6.77E 00	6.84E 00	6.32E 00	5.60E (
3	<del>-</del> 1	100	111			4072.42	2.4555	0.0303	0.0	0.0	1.85E-05	5.68F-04	5.10E-03	2.29E-0
4	2	. 2	11	2336.44	2	4072.59	2.4554	0.0625	4.50E-02	8.21F-02	9.33E-02	8.95F-02	7.98E-02	6.89E-0
5	3			4170.43	2	4072.80	2.4553	0.0606	1.27E-03	5.57E-03	9.82F-03	1.236-02	1.30E-02	1.28E-0
		20	19	6891.30	2	4073.09	2 • 4 5 5 1	0.0535	4.74E-04	7•68E-03	2.60E-02	4.805-02	6.63E-02	7.82E-0
6	4		6	8492.22	_ 1	4073.21	2.4551	0.0620	2.23E-03	7.83E-02	3.91E-01	9.09E-01	1.47E 00	1.93F 0

VU	VŁ	JU	JL	LOWER	CODE	WAVÉ NUMBER	WAVE LENGTH	HĄLF WIDTH	*****	** INTEGRATI	D ** ABSORE		FFICIENT *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7	5	69	68	18926.79	1	4073.23	2.4551	0.0303	0.0	7.10E-05	4.32E-03	4.52E-02	1.98E-01	5.34E-01
7	5	30	29	12044-05		4073.81	2.4547	0.0340	9.25E-05	1.786-02	2.08E-01	8.08E-01	1.83E 00	3.08E 00
4	2	117	116	28741.41	1	4073.99	2.4546	0.0303	0.0	0.0	2.43F-06	1.04E-04	1.175-03	6.205-03
5	3	82	81	17846-16	2 .	4 074 . 00	2.4546	0.0303	0.0	1.27E-06	5.94E-05	5.31E-04	2.105-03	5.24F-03
5	3	6	7	6455.12	1	4074.09	2.4545	0.0620	2.56E-02	3+38F-01	1.03E 00	1.80E 00	2.38F 00	2.73F 00
4	2	100	99	21487.30	2	4074.25	2.4544	0.0303	0.0	0.0	3.57E-06	5.39E-05	3.02E-04	9.68E-04
3	1	27	28	3686.17	1	4074.53	2.4543	0.0379	1.44E 00	5.03E 00	7.93E 00	9.24E 00	9.40F 00	-8.91E 00
7	5	68	67	18684.96	1	4074.73	2.4542	040303	0.0	8.76F-05	5.03E-03	5.08E-22	2.18E-01	5.77E-01
7	5		30	12153.49		4075.24	2.4538	0.0335	8.22E-05	1.67E-02	2.00E-01	7.89E-01	1.81E 00	3.06F 00
6	4	91	90	23173.46		4075.25	2.4538	0.0303	0.0	1.30F-06	2.19E-04	4.21E-23	2.77E-02	1.00F-01
5	3	21	20	6962.68		4075.27	2.4538	0.0515	4.51E-04	7.57E-03	2.61E-02	4.86E-02	6.76F-02	8.02F-02
4	2		18	4904.90		4075.85	2.4535	0.0568	3.43E-01	2+15E 00	4.55E 00	6.325 20	7.22F 00	7.44E 00
2	0	20	21	847.99		4076.08	2.4533	0.0515	2.28E-01	2+04E-01	1.625-01	1 .26E-01	9.71E-02	7.58F-02
7	5		66	18446.48		4076.14	2.4533	0.0303	0.0	1 • 0 8E-04	5.852-03	5.70E-02	2.39F-01	6.23E-01
4_	2	3	2	4177-65		4076.21	2.4533	0.0609	1.89E-03	8.35F-03	1.48E-02	1.84E-02	1.96E-02	1.92E-02
5	3		80	17568.32		4076.23	2.4532	0.0303	0.0	1.63E-06	7.13E-05	6.11E-04	2.35E-03	5.77E-03
6	4	8	7	8518,15		4076.35	2.4532	0.0623	2.47E-03	8.78E-02	4.41E-01	1.03E 00	1.66E 00	2.20E 00
7	5	32 9	31	12266.54		4076.60	2.4530	0.0331	7.26E-05	1.56E-02	1.92E-01	7.69E-01	1.78E 00	3.04E 00
<u>3</u> හ 5	<u>1</u>		10	2296.39		4076.88	2.4529	0.0624	4.36E-02	7.80F-02	8.78E-02	8.37E-02	7.43E-02	6.40E-02
368		22	104 21	26035.98		4076.91	2.4528	0.0303	0.0	0.0	2.37F-05	6 . 89E-04	5.97E-03	.5.6SE-05
<u>∞                                    </u>	<u>3</u>	66	65	7037.61		4077.37	2.4526	0.0496	4+27E-04	7.42E-03	2.60E~02	4.91E-02	6.87E-02	8.19E-02
4	2		98			4077.48	2 • 4 5 2 5	0.0303	0.0	1.32E-04	6.78E-03	6.395-02	5.65E-01	6.71F-01
7	5	33	32	21151.72 12383.18		4077.83	2.4523	0.0303	0.0	0.0	4.47E-06	6.42E-05	3.48F-04	1.09E-03
5	3	5	- 6	6428.95		4077.88	2.4523	0.0326	6.38E-05	1.44E-02	1.83E-01	7.46E-01	1.75E 00	3.01F 00
5	3	80	79	17293.62		4078.25	2.4520	0.0617	2.20E-05	2.98E-01	9.07E-01	_1.57E_00.	2.08F.00	2.38E 00
3	1	126		30616.80	1	4078.48	2.4520 2.4519	0.0303 0.0303	0.0	2.08E-06	8-536-05	7.03E-04	2.63F-03	6+34E-03
6	4	90	89	22857.99		4078.50	2.4519	0.0303	0.0	0.0	0.0	2.04E-05	2.75F-04	1.65E-03
ž	Ö	35	36	2550.01	i	4078.66	2.4518	0.0303	3.01E 00	1.72E-06	2.69F-04	4 • 955-03	3.17E-02	1 • 1 2F -0 1
7	5	65	64	17979.55		4078.74	2.4517	0.0303	0.0	6.10E 00 1.61E-04	7.32E 00	7.25E 00	6.61E 01	5.80E 00
7	5		33	12503.41	ī	4 07 9 • 09	2.4515	0.0321	5.56E-05	1.81E-04	7.83E-03	7 - 14E-02	2.86E-01	7.22E-01
4	2		115	28342.04	<del>- i -</del>	4079.39	2.4513	0.0303	0.0	0.0	1.74E-01 3.20E-06	7.22E-01 1.30E-04	1.71E 00	2.97E 00
5	ξ,	23	22	7116.09		4079.41	2.4513	0.0476	4.015-04	7.23E-03	2.59E-02		1.40E-03	7.20E-03
6	4	9	8	8547.78		4079.42	2.4513	0.0624	2.68E-03	9.66E-02	4.88E-01	4.93E-02 1.15E 00	6.96E-02	8.34F-02 2.46E 00
4	2	4	3	4188.48		4079.56	2.4512	0.0611	2.50E-03	1.115-02	1.96E-02	2.46F-02	2.62F-02	2.57E~02
7	5		63	17751.12		4079.92	2.4510	0.0303	0.0	1.96E-04	9.02E-03	7.96E-02	3.12F-01	7.76E-01
Ε	1	26	27	3580.03		4080.18	2.4509	0.0398	1.63E 00	5.40E 00	8.30E 00	9.53E 00	9.59E 00	9.03E 00
7	5	35	34	12627+23	1	4080.23	2.4508	0.0317	4.82E-05	1.23E-02	1.65E-01	6.97E-01	1.67E 00	2.92E 00
5	3		78	17022.07		4080.46	2.4507	0.0303	0.0	2.64E-06	1.02E-04	8.07E-04	2.945-03	6.95E-03
4	2		17	4837.09	1	4080.79	2.4505	0.0585	3.59E-01	2.18E 00	4.53E 00	6.24E 00	7.08E 00	7.27E 00
7	5		62	17526.07	1	4081.02	2.4504	E0E0.0	0.0	2.38E-04	1.04F-02	8.86E-02	3-40E-01	8.32F-01
2	0	19	20	771.00		4081.04	2+4504	0.0535	2.44E-01	2.10F-01	1.64E-01	1.26E-01	9.65E-02	7.49F-02
3	1	8	9	2259.98		4081.10	2.4503	0.0624	4.15E-02	7.30E-02	8-15E-02	7.73E-02	6.84F-02	5.88E-02
7	5		35	12754.63	1	4081.29	2.4502	0.0312	4.16E-05	1.13E-02	1.56E-01	6.71E-01	1.63E 00	2.878 00
5		104	103	25674.78		4081.31	2.4502	0.0303	0.0	0.0	3.02€-05	8.34E-04	6.99E-03	2.99E-08
4	2		97	20819.09		4081.34	2.4502	0.0303	0.0	0.0	5.58E-06	7.64E-05	4.01E-04	1.23E-03
5		24	23	7198.11		4081.38	2.4502	0.0457	3.73E-04	7.01E-03	2.56E-02	4 • 93E-02	7.02E-02	8.46E-02
6	4	89	88	22545.62	1	4081.68	2.4500	0.0303	0.0	2.29E-06	3.32F-04	5.83E-03	3.62E-02	1.25E-01
7	5	62	61	17304.39		4082.04	2.4498	0.0303	0.0	2.88E-04	1.19E-02	9.84E-02	3.69E-01	8-90F-01
7	5	37	36	12885.61	1	4082.28	2.4496	0.0308	3.56E-05	1.03E-02	1.47E-01	6.43E-01	1.58E 00	2.82F 00
5	3	4	5_	6406.52		4082.34	2.4496	0.0614	1.98E-02	2.55E-01	7.72E-01	1.33E 00	1.76E 00	2.01E 00
6	4	10	9	8581.11		4082.42	2.4495	0.0624	2.86E-03	1.05E-01	5.33E-01	1.26E 00	2.04E 00	2.71F 00
5	3	78	77	16753.69	2	4082.45	2 • 4495	0.0303	0.0	3.36F-06	1.21E-04	9.24E-04	3.29F-93	7.62E-03

VU.	VL	JÜ	JL	LOWER	CODE	WAVE	WAVE	HALF	******	** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
				STATE		NUMBER	LENGTH	WIDTH			CM*G/			
				ENERGY		СМ-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	2	5	4	4202.92	2	4082.84	2.4493	0.0614	3.08E-03	1.37E-02	2.45E-02	3.07E-02	3.27E-02	3.216-02
7	5	61	60	17086-11	1	4082.98	2.4492	0.0303	0.0	3.47F-04	1.36E-02	1.09E-01	4.00F-01	9.51F-01
7_	5	38	37	13020.16	1	4083.19	2.4491	0.0303	3.03E-05	9.33E-03	1.38E-01	6.16F-01	1.53F 00	2.76F 00
5	3	25	24	7283.66	2	4083.29	2.4490	0.0437	3.46E-04	6.76F-03	2.52E-02	4.92E-02	7.05F-02	8.55F-02
7	5	60	59	16871.22	1	4083.84	2.4487	0.0303	0.0	4.16E-04	1.55E-02	1 - 20E - 01	4.33F-01	1.01E 00
7	5	39	38	13158.27	1	4084.02	2.4486	0.0303	2.57E-05	8.44E-03	1.29E-01	5.87E-01	1.48F 00	2.69F 00
5	3	77	76	16488.47	2	4084.38	2.4484	0.0303	0.0	4.25E-06	1.44E-04	1.06E-03	3.65E-03	8.34E-03
7	5	59	58	.16659.74	1	4084.63	2.4482	0.0303	0.0	4.99E-04	1.76E-02	1.33F-01	4.69F-01	1+08F 00
3_		125		30188.78	1	4084.63	2 • 4 4 8 2	0.0303	0.0	0.0	0.0	2.57E-05	3.32F-04	1.94F-03
4	2	115	114	27945.45	1	4084.70	2.4482	0.0303	0.0	0.0	4 • 1 9E-06	1.60E-04	1.67F-03	8.36F-03
6	4	88	87	22236,39	11	4084.77	2.4481	0.0303	0.0	3.02E-06	4.07E-04	6.856-03	4 - 1 3E-02	1.40E-01
7	5	40	39	13299.95	1	4084.78	2.4481	0.0303	2 • 1 6E-05	7.60E-03	1.20E-01	5.59E-01	1.43E 00	2.62E 70
4	2	97	96	20489.43	2	4084.78	2.4481	0.0303	0.0	0.0	6.95E-06	9.08E-05	4.62E-04	1.386-03
2	0	34	35	2412.73	1	4084.86	2 • 4 4 8 1	0.0317	3.58F 00	6.80E 00	7.89F 00	7.66E 00	6.90E 00	6.00E 00
5	3	26	25	7372.76	2	4085.12	2.4479	0.0418	3.18E-04	6.49F-03	2.47E-02	4.89E-02	7.075-02	8-62E-02
3	1	7	e	2227.21	2	4085.26	2.4478	0.0623	3.89E-02	6.73E-02	7.46E-02	7.04F-02	6.21E-02	5.33F-02
7	5	58	57	16451.68	1	4085.33	2.4478	0.0303	0 • 0	5.95E-04	2.00E-02	1.47E-01	5.07F-01	1.15E 00
6	4	11	10	8618.14	1	4085.34	2.4478	0.0625	3.00E-03	1 • 1 2F-01	5.74E-01	1.36E 00	2 22E 00	2.95F 00
7	5	41	40	13445.18	1 .	4085.46	2.4477	0.0303	1.81E-05	6.82F-03	1.12E-01	5.30F-01	1.37E 00	2.54F 00
66 4			102	25316.52	1	4085.62	2.4476	0.0303	0.0	0.0	3.858-05	1.01E-03	8.17F-03	3.41F-02
	_ 2	15_	16	4773-03	1	4085.67	2.4476	0.0591	3.73F-01	2.20E 00	4.49E 00	6.12E 00	6+91E 00	7.06E 00
3	1	25	26	3477-63	1	4085.76	2.4475	0.0418	1.82E 00	5.77E 00	8.65E 00	9.79₹ 00	9.76F 00	9.13E 00
2		18	19	697.65	_2	4085.93	2.4474	0.0552	2.59F-01	2.16E-01	1.65E-01	1.25F-01	9.55E-02	7.38E-02
7	5	57	56	16247.05	1	4085.96	2.4474	0.0303	0.0	7.08F-04	2.275-02	1.61E-01	5.47F-01	1.23E 00
4	2	6	5	4220.97	2	4086.06	2.4473	0.0617	3.62E-03	1.63E-02	2.91E-02	3.66E-72	3.92E-02	3.85F-02
7	5	42	41	13593.96	1	4086.07	2.4473	0.0303	1.516-05	6.10E-03	1.03E-01	5.02E-01	1.32E 00	2.47E 00
<u>_5</u>	3	76	75	16226.44	_ 2	4086.23	2.4472	0.0303	0.0	5.35E-06	1.70E-04	1.20E-03	4.07E-03	9.11F-03
- 5	3	3	4	6387.82	1	4086.35	2.4472	0.0611	1.63E-02	2.09E-01	6.29E-01	1.08E 00	1 • 43E 90	1.63E 00
	5_	56	55	16045.84	1	4086.51	2.4471	0.0303	0.0	8.39E-04	2.56F-02	1 77E-01	5.89F-01	1.30F 00
7	5	43	42	13746.29	1	4086.60	2.4470	0.0303	1.25E-05	5.43E-03	9.54E-02	4.73E-01	1.26E 00	2.39F 00
5		27	26	7465.39	2	4086.89	2.4468	0.039B	2.90E-04	6.20E-03	2.41E-02	4.84E-02	7.06F-02	8.66E-02
7	5	55	54	15848.09	1	4086.98	2.4468	0.0303	0.0	9.91E-04	2.88E-02	1 - 94E-01	6.32E-01	1.38F 00
7	5	44	43	13902-14	!	4 087 • 05	2.4468	0.0303	1.02E-05	4.81F-03	8.78F-02	4-45E-01	1.51E 00	2.31F 00
7	5	54	53	15653.78	1	4087.38	2 • 4 4 6 6	0.0303	1.07E-06	1.17E-03	3.245-02	8+11E-01	6.77F-01	1.46F 00
7	_ 5	45	44	14061.54	1	4087.43	2.4465	0.0303	8.38F-06	4.25F-03	8.06F-02	4.18E-01	1.15F 00	2.22F 00
7	5	53	52	15462.93	1	4 087 469	2.4464	0.0303	1.38E-06	1.37F-03	3.63E-02	2.30F-01	7 • 25F-01	1.54F 00
7	5	46	45	14224.45	1	4087.73	2.4463	0.0303	6.82F-06	3.74E-03	7.37E-02	3.92F-01	1.09F 00	2.14F 00
6	4	67	86	21930-29	1	4087.78	2.4463	0.0303	0.0	3.99F-06	4.99F-04	8.04E-03	4.70E-02	1.56F-01
<del>7</del> -	<u>. 5</u>	52	51	15275.54	1	4087.93	2.4462	0.0303	1.76E-06	1.60F-03	4.05E-02	2.50E-01	7 • 74E-01	1.62F 00
		47	46	14390.88	1	4087.96	2.4462	0.0303	5.52E-06	3.27E-03	6.72F-02	3.66E-01	1.04E 00	2.05E 00
5_	3_	75	74	15967.60	2	4088.00	2.4462	0.0303	_ 9.0	6.73E-06	2.01F-04	1.37E-03	4.52F-03	9+93F-03
7	-5	51	50	15091.63	1	4088.09	2 • 4461	0.0303	2.24E-06	1.86E-03	4.51E-02	2.71E-01	8-24E-01	1.71F 00
7	_ 5	48	47	14560.82		4088-11	2.4461	0.0303	4-445-06	2+86E-03	6-11F-02	3.41E-01	9.83F-01	1.96E 01
7	2	96	95	20162.75	2	4088.13	2.4461	0.0303	0.0	0.0	8.64F-06	1 • 08E-04	5.31F-04	1.56F-03
<del>7</del>	<u> </u>	. <u>50</u>	49	14911-20	1	4088.17	2.4461	0.0303	2.83E-06	2.15E-03	5.00E-02	2.93E-01	9.76E-01	1.79F 00
=	5	49	48	14734.27	1	4088.18	2 • 4 4 6 1	0.0303	3.55E-06	2.48E-03	5.54E-02	3 • 1 7E-01	9 • 29F-01	1.88F 00
6		12	11	8658.86	1	4088+20	2.4461	0.0617	3.10E-03	1.18F-01	6.12E-01	1 -46E 00	2.39E 00	3.19F 00
5	3	28	27	7561.55	2	4088.58	2.4458	0.0379	2.645-04	5.89E-03	2.35F-02	4.77E-02	7.03F-02	8+68E-02
4	_2	7	6	4242.63	2	4089-21	2.4455	0.0620	4 • 12E-03	1.88F-02	3.37E-02	4.25E-02	4.55E-02	4.48F-02
. 3	1	6	7	2198.07	2	4089.36	2.4454	0.0620	3.57E-02	6.09F-02	6.70F-02	6.29F-02	5.54E-02	4.74F-02
5	3	74	73	15711.97	2	4089.70	2.4452	0.0303	0.0	8.43E-06	2.37F-04	1 • 56E-03	5 01F-03	1.085-02
5		102		24961.22		4089.85	2.4451;	0.0303	0.0	0.0	4.89F-05	1.28E-03	9.538-03	3.88E-02
4	2	114	1.7	27551.67	1	4089.93	2.4450	0.0303	0.0	0.0	5.495-06	1.98F-04	1.998-03	0.69F_03

VU VL JU JL LOWER CODE WAVE WAVE ******* INTEGRATED ** ABSORPTION ** COEFFICIENT ****** HALF STATE NUMBER LENGTH WIDTH CM*GM-1 ENERGY CN-1 MICRON T = 1000 T = 1500 H2 T = 2000 T = 25003 29 28 7661.24 2 4090.21 2.4449 0.0359 2.38E-04 5.58E-03 2.27E-02 4.69E~02 6.97E-02 8.68F-02 3 2 3 6372.86 4090.30 2.4448 0.0609 1.26E-02 1.60E-01 4.79E-01 8.22E-01 1.08E 00 1.23F 00 14 . 15 4712.73 4090.48 2.4447 0.0597 3.83F-01 2.19E 00 4.42E 00 5.98E 00 6.71F 00 6.83E 00 3 1 124 123 29763.41 4090.69 2.4446 0.0303 0.0 0.0 0.0 3.23F-05 4.01E-04 2.27E-03 86 85 21627.34 4090.70 2.4446 0.0303 0.0 5.24E-06 6-10F-04 9.40F-03 5.35F-02 1.73F-01 0 17 18 627.96 2 4090.77 2.4445 0.0568 2.73E-01 2.20F-01 1.66E-01 1-24F-01 9.41F-92 7.235-02 13 12 8703.29 4090.99 2.4444 0.0610 3.17E-03 1.23E-01 6.45E-01 1.55F 00 2.55E 00 3.41E 00 0 33 34 2279.20 Ŧ 4 C91 - 00 2.4444 0.0321 4.23E 00 7.53F 00 8.47E 00 8.07E 00 7.17E 00 6.18E 00 25 3379.00 24 4091.27 2.4442 0.0437 2.03F 00 6.13E 00 1 . 00E 01 8.98E 00 9.90E 00 9-19E 00 3 73 72 15459.54 4091.32 2.4442 0.0303 0.0 1.05E-05 2.78F-04 1.76F-03 5.54E-03 1.18F-02 2 95 94 19839.07 4091.40 2.4442 0.0303 0.0 6.09E-04 0.0 1.07E-05 1.27E-04 1.74E-03 3 36 29 7764.45 4091.77 2.4439 0.0340 2.13E-04 5.25F-03 2.19F-02 4.60E-02 6.97E-02 8.65E-02 4267.90 4092.29 2.11F-02 2.4436 0.0623 4.57E-C3 3.80E-02 4.825-02 5-10E-02 5.17F-02 3 72 71 15210.34 2 4092.86 2.4433 9.0303 0.0 1.31E-05 3-26F-04 1 . 99E-03 6.12E-03 1.28F-72 31 7871.18 2 4093.25 2.4430 0.0335 1.90E-04 4.93F-03 2.12E-02 4.50E-02 6.82F-02 8.61F-02 -5 -6 2172.57 2 4093.40 2.4430 0.0617 3-195-02 5.375-02 5.87E-02 5.50E-02 4.93F-02 4.13F-02 85 ДΔ 21327.55 4093.54 2.4429 0.0303 6.87E-06 6.07F-02 1.935-01 7.44F-04 1.10E-02 -a-14 13 8751.40 4093.70 2.4428 0.0604 3.20F-03 1.27E-01 6+75F-01 1.63E 00 2.70E 00 3.62F 00 3 101 100 24608.89 4094.00 2.4426 0.0303 0.0 0.0 6.19E-05 1.47F-03 1.11F-02 4.41F-02 3 1 2 6361.64 4094.18 2.4425 0.0606 8.56E-03 1 . 08F-01 3.23E-01 5.54E-01 7.29E-01 8.31F-01 71 70 14964.37 2 4094.34 2.4424 0.0303 3.81F-04 0.0 1.62F-05 2.25E-03 6.74F-03 1.38F-02 2 94 93 19518.39 -2 4094.60 2.4422 0.0303 0.0 0.0 1.32E-05 1 . 50E-04 6.97E-04 1.95E-23 3 32 31 7981.43 4094.67 2.4422 0.0331 1.69E-04 4.61E-03 2.03F-02 4.39E-02 6.73F-02 8.56E-02 2 113 112 27160.71 4095.06 2.4420 0.0303 0.0 0.0 7.16E-06 2.456-04 2.37F-03 1.12E-02 2 13 14 4656.18 4095.21 2.4419 0.0604 5.79E 00 3.90E-01 2.17F 00 4.32E 00 6.46E 00 6.56F 00 2 -6 4296.77 -<u>2</u> 8 4 095 . 31 2.4418 0.0624 4.96F-03 2.32F-02 4.22F-02 5.36E-02 5-776-02 5.71E-02 0 16 17 561.92 4095.53 2.4417 0.0585 2 -85E-01 2.22E-01 1-65E-01 1.23F-01 9.23E-02 7.06F-02 3 2 2.4416 70 69 14721.64 4095.73 0.0303 0.0 2.01F-05 4.45E-04 2.53F-03 7.42E-03 1.50F-02 3 33 8095.19 32 2 4096.02 2.4414 0.0326 1.49E-04 4.30E-03 1.94F-02 4.27F-02 6.625-02 8.48E-02 4 24 аў" 21030.94 4096.30 2.4412 0.0303 0.0 8.97E-06 9.05E-04 1.285-02 6.87E-02 2.14E-01 15 14 8803.20 4096.34 2.4412 0.0597 3.20E-03 1.30E-01 7.01E-01 1.71E 00 2.84E 00 3.82E 00 123 122 29340.73 4096.67 2.4410 0.0303 0.0 o o 0.0 4.0SF-25 4.87E-04 2.66F-03 3284.13 _.<u>.</u>1 .. 23 24 1 4096.71 2.4410 0.0457 2.25E 00 6.49E 00 9.28E 00 1.02F 01 1.00F 01 9.23E 00 69 68 2 14482.17 4097.05 2.4408 0.0303 0.0 2.47F-05 5-17F-04 2.855-03 8-15F-03 1.62F-02 32 33 2149.44 1 4097.07 2.4408 0.0326 4.97E 00 8.32E 00 9.06F 00 8.485 00 7.44E 00 6.35F CO 5 3 -<del>3</del>4 э́З 8212.45 ~ z 4097.30 2.4406 0.0321 1.30E-04 3.98E-03 1.855-02 4.14E-02 6.495-02 8.79E-02 5 2150.72 4097.36 2.4406 4.59E-02 0.0614 2.75E-02 5.00E-02 4.67E-02 3.49F-02 4.09E-02 2 93 52 19200.73 2 4 097 - 72 2.4404 0.0303 0.0 0.0 1.535-05 1.775-04 7.97E-04 2.19F-93 3 O 6354.16 4097.99 5.47E-02 1 2.4402 0.0603 4.35E-03 1.63F-01 2.80F-01 3.67F-01 4.196-01 3 100 99 24259.57 4098.06 2.4402 0.0303 0.0 0.0 7.83E-05 1.76F-03 1.29F-02 5.01E-02 10 4329.25 2 4098.26 2.4401 0.0624 5.29E-03 2.51F-02 4.61E-02 5.88F-02 6.36F-02 6.29F-02 68 67 14245.95 2.4400 2 4098.30 ์จังจังจัง 0.0 3.03F-05 6.00E-04 3.19E~^3 8.936-03 1.74E-02 -- 3 35 34 8333.21 2 4098.51 2.4399 1.76F-02 0.0317 1 - 14F-04 3.68F-03 6.35F-02 4.90F-02 8.275-02 16 15 8858.70 4098.91 2.4397 0.0591 3-175-03 1 - 33E-01 7.23F-01 1.77F 10 2.96F 00 4.01F 00 20737.52 83 82 1 4098.98 2 - 4 3 9 6 0.0303 0.0 1.17F-05 1.10F-03 1 . 495-02 7.77F-02 2.37E=01 67 14013.01 66 4099.48 2.4393 0.0303 0.0 3.71F-05 6.94E-04 3.575-03 9.775-03 1.88#-02 8457.48 3 36 35 2 4099.65 2.4392 0.0312 9.83F-05 3.385-03 1 • 675-02 3.86E-02 6.10E-02 8.14F-^2 2 12 13 4603.40 4099.89 2.4391 0.0610 3.93F-01 2.130 00 4-19F 00 5.57F An 6.195 00 A. 25F 00 2.4390 2 112 111 26772.58 4100.12 0.0303 0.0 0.0 9.33F-06 _3.02F=04 2.81F-13 1.305-02 Ó 15 16 499.54 2 4100.24 2.4389 0.0591 2.955-01 2.23F-01 1.636-01 1.205-01 9.005-02 6.85F-02 3 66 65 13783.34 2 4100.57 2.4387 0.0303 0.0 4.53F-05 8.01E-04 3.99F-03 1.075-02 2.025-02 3 37 36 6585.23 2

4100.72

4100.76

2 92 91

18886.10

2

2.4396

2.4386

0.0308

0.0303

8.47F-05

0.0

3.09F-03

0.0

1.575-02

2.01E-05

3.71F-02

2.09E-04

6.075-32

9-10F-04

7.00F-02

2.445-03

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	_	_			STATE	-	NUMBER	LENGTH	WIDTH			CM*G	4-1		
	-	-			ENERGY	_	CM-1	MICRON	H2	$\tau = 1000$	T = 1500	¯ τ ≟ 2000 ″	าั์ ≕ 2500	T = 3000	T = 3500
				-						·					
	۵	2	11	10	4365.34	2	4101.14	2.4383	0.0635	E . E 4 E 0.7	2 605-02	4 075-00	6 30E 00	ć 045 50	
4: ****	<u>-</u> 3	~•	· •===	- ^^~~	2132.50	~~.5·~~	4 101 . 27	2.4383	0.0625	5.56E-03 2.27F-02	2.68E-02 3.76F-02	4.97F-02 4.07F-02	6.38E-02 3.79F-02	, 6.91E-02 3.32F-02	2.83E-02
	6	4	17	16	8917.88	1	4101.40	2.4382	0.0585	3.11F-03	1.34E-01	7.40F-01	1.835 00	3.088 00	4.18E 00
	. 6	Å	82	8i	20447.30	- ī	4101.58	2.4381	0.0363	0.0	1.51F-05	1.33F-03	1.73E-02	9.786-02	2.636-01
	5	3	65	64	13556.96	2	4101.60	2.4381	0.0303	2.0	5.50F-05	9.22E-04	4.44E-03	1.16F-02	2.17F-02
	- 5-	3 3	38	37	8716.48	2	4101.72	2.4380	0.0303	7.25E-05	2.82F-03	1.48E-02	3.56E-02	5.85E-72	7.83F-02
	5		99	98	23913.24	1	4102.03	2.4378	0.0303	0.0	2.0	9.87E-05	2.11E-03	1.505-02	5.68F-02
121 1	‴ 3 °	3	22	23	3193.03	- 'i	4102.09	2.4378	0.0476	2.47F 00	6.82F 00	9.55E 00	1.04E 01	ำ กำรัก	9.24F 7r
	5_	3	64	63	13333.88	2	4102.55	2.4375	0.0303	0.0	6.66E-05	1.06E-03	4.94E-03	1.275-02	2.325-08
	3	1		121	28920.75	1 ~ ~	4 102.56	2.4375	0.0303	0.0	0.0	1.15E-06	5.08E-05	5.81E-04	3.115-03
	5_	. 3.	39	38	8851.20	2	4102.64	2+4375	0.0303	6 • 176-05	2.56E-03	1.39E-02	3.40E-02	5.67F-02	7.65F-02
	2		31	32	2023.43	1	4103.08	2.4372	0.0331	5.80E 00	9.14E 00	9.66F 00	8.88E 00	7.70E 00	6.52F 00
,	J. 5	_ "3_	_ 53_	62,	13114-11	2	4103.43	2.4370	0.0303	0.0	8.03E-05	1.21E-03	5.47E-03	1.37E-02	2.48E-01
	5		40	39	8989.41	2	4103.50	2 4 4 3 6 9	0.0303	5.226-05	2.31E-03	1.30E-02	3.24F-02	5.48E-02	7.465-02
**	- 4.	^2 ^4	<b>91</b>	90	18574.52		4103.73	2.4368	0.0303	0.0	0.0	2.47E-05	2.45E-04	1.04E-03	2.72F-03
	- 6		18	17	8980.75	1	4103.83	2.4367	0.0568	3.03F-03	1.34F-01	7.53E-01	1.88F 00	3.18F 00	4.34E 00
	🛂 .	_ 2_	12	11.	4405.02	2	4103.96	2.4367	0.0617	5.76E-03	2.84E-02	5.30E-02	6.84E-02	7.44E-02	7-41F-08
	6	<u> </u>	61	80	20160.30	1	4104.09	2.4366	0.0303	0.0	1.96F-05	1.60F-03	S.00E-02	4.84E-05	2.90E-01
	5	. 3	<u></u> 62	<u></u>	12897.64		4104.23	2.4365	0.0303	0.0	9.66E-05	1.38E-03	6.06E-03	1.495-02	2.65F-02
371:	5		41	40	9131.08	2	4104.29	2.4365	0.0303	4.395-05	2.08E-03	1.216-02	3.08E-02	5.28E-02	7.26E-02
	ź.	² ŏ-	. 11 14	12	4554.37	1	4104.49	2.4364	0.0617	3.91E-01	2.07F 00	4.02E 00	5.32E 00	5.88F 00	5.92F.00
	5	3	61	60	440.81	2	4104.88	2.4361	0.0597	3.03E~01	2.22F-01 `	1.61E-01	1 • 1 7E-01	8.72E-02	6.62E-02
******		3.		41	12684.50 9276.23	_2	4104.96	2 • 4 3 6 1	0.0303	0.0	1.16F-04	1.57E-03	6.69E-03	1.61E-02	2.83E-02
	4		111	_	26387.31	1	4105.08	2.4361 2.4360	0.0303 0.0303	3.67E-05 0.0	1.87E-03 0.0	1.125-02	2.92E-02	5.78E-02	7.06E-02
	······································	- ' -	~* * * * * * * * * * * * * * * * * * *	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2117.93	~~~~	4105.11	2.4360	0.0609	1.75F-02	2.87E-02	3.10E-05	3.71E-04 2.88E-02	3.33E-03 2.52F-02	1.50E-02 2.14E-02
	5	3	1	ō	6350.41		4105.40	2.4358	0.0603	4.42E-03	5.54F-02	1.66E-01	2.83E-01	3.72F-01	4.24E-01
	5	3	60		12474.70	2	4105.62	2.4357	0.0303	0.0	1.38E-04	1.79F-03	7.37E-03	1 74E-02	3.01E-02
	5		43	42	9424.83	2	4105.65	2.4357	0.0303	3.06E-05	1.67E-93	1.04E-02	2.76E~02	4 - 87E-02	6.84F-02
	5	- 3	. 28	97	23569.94	- <del>-</del>	4105.93	2.4355	0.0303	0.0	0.0	1-24F-04	2.53E-03	1.73E-02	6.43E-02
	6	4	19	10	9047.30	1	4106.18	2.4354	0.0552	2.92E~03	1.346-01	7.62E-01	1.92E 00	3.27F 00	4.48F 00
	5	<u>3</u> -	59	58	12268.22	2	4106.20	2 • 4 3 5 3	0.0303	0.0	1.65E-04	2.03E-03	9-11E-03	1.88F-02	3.20F-02
	_ 5	3	44	43	9576.89	2 -	4106.22	2.4353	0.0303	2.536-05	1.49E-03	9.60E-03	2.61E-02	4.66E-02	6.62E-02
	ື້ 6	4	eò `	79	19876.52	i	4106.53	2.4351	0.0303	0.0	2.52E-05	1.93E-03	2.32F-02	1 - 11E-01	3.20E-01
	4	_ 2	90	89	18265.99	2	4106.61	2.4351	0.0303	0 • 0	0.0	3.02F-05	2 • 87E-04	1.18F-03	3.03E-03
	5	~ 3	58	57	12065-10	2	4106.71	2.4350	0.0303	1.01E-06	1.96E-04	2.29E-03	8.92E-03	2.02E-02	3.405-02
	4	2 3	13	12	4448.31	. 2	4106.71	2.4350	0.0610	5.90E-03	2.96E-02	5.60E-02	7.27E-02	7.95F-02	7.94E-02
	<u>:</u>		45	44	9732.40	2	4106.72	2 • 4 3 5 0	0.0303	2.08F-05	1.32F-03	8.83E-03	2.45F-02	4.45F-02	6.39F-02
	. 5,	3	57	56	11865.33	2	4107.14	2.4348	0.0303	1.31E-06	2.32F-04	2.59E-03	9.78E-03	2.18F-02	3.61F-02
	5	3	46	45	9891.36	2	4107.15	2.4348	0.0303	1.70E-05	1.16F-03	8.10E-03	2.30F-02	4 . 24E-02 '	6.15E-02
	3 5	i Š	21	22	3105.69	1	4107.41	2.4346	0.0496	2.69E 00	7.13E 00	9.78E 00	1.05F 01	1.01E 01	9.21E 00
	5 5		56 47	55	11668.92	2	4107.51	2.4346	0.0303	1.70E-06	2.73F-04	2.91E-03	1.07F-02	2.34F-02	3.83E-07
	5-	<del>3</del>	48	46	10053.75	2	4107.51	2.4346	0.0303	1.39F~05	1.02E-03	7.41E-03	2.16F-02	4.04F-02	5.92F-02
	5	3	55	54			4107.80	2.4344	0.0303	1 • 1 2F-05	8.97E-04	6.76E-03	2.01E-92	3.83F-02	5.68F-02
•	.5.	. 3	54	·53 -	11475.88	- 2	4107.80	2.4344	0.0303	2.20E-06	3.21E-04	3.27F-03	1.175-02	2.50F-02	4.05F-02
	5	3	49	48	10388.82	2	4108.02			2 • 82F~06	3.76F-04	3.66E-03	1.27E-02	2.68E-02	4.27F-02
	5	∵3′	50		10561.49	- 2	4108.16	2.4343	0.0303	9.03F-06 7.23E-06	7.83F-04 6.81E-04	6.14F-03	1 • 88F-02	_3.63F-02	5.44E-02
	5	3	53	52	11099.95	2	4108 - 16	2.4342	0.0303	3.59F-06	4.39E-04	5.57E-03	1.74E-02	3.43E-02	5.20E-02
_		3	52	51	10917.06	2	4108.23	2.4341	0.0303	4.56E-06	5.10F-04	4.08E-03	1.505-02	2.86F-02	4.50F-02
	5	3	51	50	10737.57	2	4108.23	2.4341	0.0303	5.76E-06	5.10F=04	4.54E-03 5.03F-03	1.50E-02 1.62F-02	3.04F-02 3.23F-02	4.73F-02
	3 1		121		28503.48	, ~	4108.36	2.4341	0.0303	0.0	0.0	1.53E-06	6.35F-05	6.98E-04	4.97F-02 3.63F-03
	6			19	9117.53		4108.46	2.4340	0.0535	2.79E-03	1+32E-01	7.66E-01	1.95F 00	3.35E 00	4.61F 00
												<del></del>			

### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE

ν	/Ú	VL	Jü	JL.	LOWER	CODE	WAVE	WAVE	HALF	******	* INTEGRAT	D ** ABSOR	TION ** CO	FFICIENT *	*****
•		-		,	STATE		NUMBER	LENGTH	WIDTH		THI CONDI	CM*G	-		
					ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500 -	Υ = 3000	Y = 3500
	6	4	79	78	19595.97	1	4108.88	2.4338	0.0303	0.0	3.24E-05	2.32E-03	2.67E-02	1.25F-01	3.53E-01
	3	1	1	2 /		2	4108.88	2.4338	0.0606	1.19E-02	1.94E-02	2.09E-02	1.94E-02	1.70E-02	1.44E-02
	5	3	2	1	6354.16	1	4109.00	2.4337	0.0606	8.84E-03	1.11E-01	3.32F-01	5 • 69E-01	7.48F-01	8.52E-01
	2	0	30	31	1901.19	1	4109.02	2.4337	0.0335	6.72E 00	9+99E 00	1.03E 01	9.27E 00	7.94E 00	6.67F 00
	4	2	10	11	4509.11	1	4109.03	2.4337	0.0625	3.84E-01	1.99E 00	3.83F 00	5.03E 00	5.54E 00	5.56E 00
	4	2	14	13	4495.20	2	4109.39	2 • 4335	0.0604	5.97E-03	3.07E-02	5.86E-02	7.67E-02	8.42F-02	8.43F-02
	4	2	89	88	17960.53		4109.42	2 4 3 3 4	4 0.0303	0.0	0.0	3.70E-05	3.36E-04	1.34E-03	3.38E-03
	2	0	13	14	385.75	2	4109.46	2.4334	0.0604	3.07F-01	2.20E-01	1.57E-01	1 + 14E-01	8.40E-02	6.36E-02
	5	3_	97	96	23229.68	1	4109.73	2.4333	0.0303	0.0	0.0	1.56E-04	3.03E-03	2.01F-02	7.27F-02
	4	2		109	26004.91	1	4109.96	2.4331	0.0303	0.0	0.0	1.575-05	4 • 55E-04	3.94E-03	1.725-02
	6	4	21	20	9191.44	1	4110.66	2+4327	0.0515	2.65E~03	1.30E-01	7.67E-01	1.98E 00	3.41E 00	4.72F 00
	6	4	78	77	19318.68	1	4111.15	2.4324	0.0303	0.0	4 • 1 5E-05	2.785-03	3 • 07E-02	1.40E-01	3.88E-01
	4	2	15	14	4545.69	2	4112.01	2.4319	0.0597	5.99E-03	3.15E-02	6.09F-02	8.03F-05	8.86E-02	8.90F-02
	4	2	88	87	17658.15	2	4112.16	2.4318	0.0303	0.0	1.01E-06	4.52E-05	3.93E-04	1.53E-03	3.77F-03
	5	3_	3_	2	6361.64		4112.53	2.4316	0.0609	1.32E-02	1.67E-01	4.99E-01	8.56E-01	1 <u>.13E_00</u> _	1.28E 00
	3	1	0	1	2099.72		4112.59	2.4316	0.0603	6-\04E-03	9.83E-03	1.06E-02	9.80E-03	8.55E-03	7.27F-03
	3	1	20	21	3022.13	_ 1	4112.65	2.4315	0.0515	2.91E 00	7.42E 00	9.97E 00	1.06E 01	1.01E 01	9.16E 00
	6	4	22 77	21 76	9269.02		4112.79	2.4314	0.0496	2.50E-03	1.27E-01	7.64E-01	1.99E 00	3.46E 00	4.82F 00
6:3	6	3	96	95	19044+64		4113.34	2.4311	0.0303	0.0	5.30F-05	3.32E-03	3.53F-02	1.57E-01	4-26E-01
372	5 4	2	90	10	22892.46 4467.62		4113.46	2.4310	0.0303	0.0	1.24E-06	1.95E-04	3.61F-03	2.32F-02	8.20F-02
10		- 5	12	13	334.34		4113.49	2.4310	0.0624	3.72E-01	1.90E 00	3.60E 00	4.71E 00	5.16F 00	5.17E 00
	3	-	120		28088.95		4114.07	2.4307	0.0303	3.09E-01	2.16F-01	1.525-01	1 -09E-01	8.04E-02	6.06E-02
	<del>-</del>		16	15	4599.77		4114.56	2.4307	0.0303	5.94E-03	0.0 3.21E-02	2.03E-06 6.28E-02	7.92F-05 8.35E-02	8.37E-04 9.26E-02	4.23F-03
	4			108	25625.40	1	4114.76	2.4303	0.0391	0.0	0.0	2.03E-05	5.57E-04	4.658-03	1.986-02
	4	_ <u>z</u>	e7	86	17358-87		4114.81	2.4302	0.0303	70.0	1.32E=06	5.51E-05	4.59E-04	1.73E-03	4 • 19E-03
	6	4	23	55	9350.27		4114.85	2.4302	0.0476	2.34E-03	1.24E-01	7.58E-01	2.00F 00	3.50E 00	4.908 00
	2		29	30	1782.72		4114.90	2.4302	0.0340	7.74E 00	1.09E 01	1.09E 01	9.64E 00	8.17E 00	6.81F 00
	6	4	76	75	18773+88		4115.45	2.4299	0.0303	0.0	6.74E-05	3.96E-03	4 • 05E-02	1.758-01	4.67E-01
	5	3	4	3	6372.86		4115.99	2.4295	0.0611	1.745-02	2.21E-01	6+64E-01	1.14E 00	1.508 00	1.71F 00
	2	0	129	128	30062.09	1	4116.71	2+4291	0.0303	0.0	0.0	0.0	9 • 83F-06	1.26E-04	7.26E-04
	3	i i	103	102	20612.63	2	4116.72	2.4291	0.0303	0.0	0.0	3.52E-06	4.68E-05	2.41F-04	7-29E-04
	6	4	24	23	9435+20	1	4116.84	2.4290	0.0457	2.17E-03	1.19E-01	7.48E-01	2.00E 00	3.52E 00	4.96E 00
	4	<u>2</u>	17	16	4657.45	2	4117.04	2.4289	0.0585	5.84F-03	3.25E-02	6.44E-02	8.63F-02	9.63E-02	9.75E-02
	5	3	95	94	22558.31	1	4117.10	2 • 4 2 8 9	0.0303	0.0	1.67E-06	2.44E-04	4.30E-03	2.67E-02	9.24E-02
	4	2	86	85	17062.69	2	4117.39	2.4287	0.0303	0.0	1.72E-06	6.70E-05	5.35E-04	1.96E-03	4.65E-03
	6	4	75	74	18506.41	1	4117.47	2.4287	0.0303	0.0	8.54E-05	4.70E-03	4.63E-02	1.95E-01	5-12F-01
	3	1	19	20	2942+34	1	4117.83	2 4 4 2 8 5	0.0535	3.13E 00	7.67F 00	1.01E 01	1.06E 01	1.00E 01	9.06E 00
	4	2_	8	9	4429.89		4117.89	2.4284	0.0624	3.56E-01	1.78E 00	3.35E 00	4.35E 00	4.75F 00	4.75E 00
	2	0	11	12	286.60		4118.42	2.4281	0.0617	3.07E-01	2.105-01	1 + 4 6E-01	1 • 04E~01	7.64F-02	5.74F-02
	6		25	24	9523.78		4118.75	2.4279	0.0437	2.00E-03	1.15F-01	7.35E-01	1.99E 00	3.54E 09	5.01E 00
	5	3	_5	4	6387.82		4119.38	2.4276	0.0614	2 • 1 5E - 0 2	2.74E-01	8.26E-01	1.42E 00	1.88F 00	2.14E 00
	6	4_	74	73	18242.22		4119.42	2.4275	0.0303	0.0	1.08E-04	5.58E-03	5 • 29E-02	2.17E-01	5.59E-01
	4	2	18	17	4718.72		4119.45	2.4275	0.0568	5.708-03	3.26E-02	6.56E-02	8.87E-02	9.95F-02	1.01E-01
	4		108		25248.79		4119.46	2.4275	0.0303	<u> </u>	0.0	2.625-05	6.82E-04	5.49E-03	2.28E-02
	3		119		27677.16		4119.70	2.4274	0.0303	0.0	0.0	2.695-06	9.90E-05	1.01F-03	4.94F-03
	3		1	0	2096.07		4119.81	2.4273	0.0603	6.14E-03	9.98E~03	1.07E-02	9.93E-03	8.66F-03	7.37E-03
	-	2	85	84	16769.63		4119.89	2.4273	0.0303	0.0	2.25E-06	8-13E-05	6.23E-04	2.22F-03	5.16E-03
	<u>3</u>		102		20264.94		4120.51	2.4269	0.0303	0.0		4.44E-06	5.62E-05	2.805-04	8+27E-04
		4	2-6	25	9616.03		4120.59	2.4268	0.0418	1.83E~03	1.10E-01	7-19E-01	1.97€ 00	3.54E 00	5.04E 00
	5	. 3	94	93	22227.24		4120.66	2.4268	0.0303	0.0	2.26E-06	3.04E-04	5.11E-03	3.08E-02	1.04E-01
,	2	0	28	29	1668.03		4120.71	2.4268	0.0359	8.88E 00	1.18E 01	1.15F 01	1.000 01	8.40F 00	6.94F 00
	6	<u>. 4</u> .	73	72	17981.34		4121.28	2 • 4 26 4	0.0303	0.0	1.36F-04	6.59E-03	6.02E-02	2.41E-01	6 • 10E-1

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VÚ	VĹ	Ju	J٤	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	<u>2</u>	19	18	4783.59	2	4121.79	2.4261	0.0552	5.51E-03	3.25E-02	6.65E-02	9.07E-02	1.02E-01	1.05F-01
4		7	8	4395.93	1	4122.22	2 • 4 259	0.0623	3.34E-01	1.64E 00	3.07E 00	3.96E 00	4.32E 00	4.30E 00
4	2	84.	83	16479.69	2	4122.32	2.4258	0.0303	0.0	2.91E-06	9.84F-05	7.23E-04	2.51F-03	5.71E-03
6		27	26	9711.93	1	4122.35	2.4258	0.0398	1.666-03	1.05F-01	7.00E-01	1.94E 00	3.53E 00	5.06E 90
5	3	6	5	6406.52	1	4122.70	2.4256	0.0617	2.52E-02	3.25E-01	9.84E-01	1.70F 00	2.25F 00	2.57E 00
2	0	10	11	242.53	2	4122.81	2 • 4 255	0.0625	3.01E-01	2.01E-01	1.396-01	9.84E-02	7-19E-02	5.386-02
		18	_19_	2866.33	!	4122.95	2.4254	0.0552	3.33E_00	7.87F_00	1.02E 01	1.06E_01_	<u>"``</u> 6•′6èè °°°°  "	8.93E.00
6	4	72	71	17723.78	1	4123.07	2.4254	0.0303	0.0	1 • 70 E- 04	7.785-03	6.84E-02	2.68E-01	6.655-01
2_		128		29621.73		4123-09	2.4254	0.0303	9.0	9.0	0.0	1.25E-05	1.53E-04	8.57E-04
3	1	2	1	2099.72	2	4123.32	2.4252	0.0606	1.23F-02	2.00E-02	2.15E-02	2.00F-02	1.74F-02	1.48E-02
6_	4_	28	_27_	9811.48	<u>-</u>	4124.04	2.4248	0.0379	. 1.50F-03	9.92E-02	6.79E-01	1.91E 00	3.51E 00	5.06F 00
4	2	20	19	4852.04	2	4124.07	2 • 4 2 4 8	0.0535	5.28E~03	3.22F-02	6.70F-02	9.245-02	1.05F-01	1.08E-01
·· <u>3</u>		1 <u>07</u>		24875.10		4124.09	2.4248	0.0303		0.0	3 <u>.38E-05</u>	8.32F-04	6.46E-03	2.62=-92,
5	3	93	92	21899.26	1	4124-13	2.4248	0.0303	0.0	3.04E-06	3.77F-04	6.06E-03	3.53F-02	1.178-01
, 3	1	101_		19920-19	<u>2</u> .	4124622	2.4247	0.0303	0.0	0.0	<u>5.59F-06</u>	6.74E-05	3.25F-04.	_ 9 <u>*</u> 37E <u>-</u> 24_
4	2	E9	82	16192.90	2	4124.67	2.4244	0.0303	0.0	3.77F-06	1.19E-04	8.37E-04	2.82F-03	6.31E-03
	. 4.	71	70	17469.54		4124.77	2.4244	0.0303	0.0	2.13E-04	9.15E-03	7.76E-02	2.96E-01	7.23E-01
3		118		27268.14	1	4125.24	2 • 4 2 4 1	0.0303	0.0	0.0	3.56F-06	1. • 24E-04	1.215-03	5.775-03
<u>.</u> 6.	4	.29	. 28	9914.69		4125.66	2.4239	0.0359	1.356-03	9.35E-02	6.57F-01	1.88F 00	3.47E_90	5.05E 00
5 4		77	6	6428.95	1	4125.95	2.4237	0.0620	2.87E-02	3.74E-01	1.14E 00	1.97E 00	2.61F 00	2.995 00
4.	<u>2</u>	21	20	4924.07	_ 2	4126+28	2.4235	0.0515	5.03F-03	3.18E-02	6.72E-02	9.36E-02	1.07E-01	1.10F-01
6		70	69	17218.64	1	4126.40	2.4234	0.0303	0.0	2 • 65E-04	1.07E-02	8.78E-02	3.27F-01	7.85E-01
2	0_	27	28	1557.12	1	4126.46	2.4234	0.0379	1.01E 01	1.27E 01	1.21E 01	1.04E 01	8.60E_00	7.06F 00
4	2	6	7	4365.74	1	4126.48	2.4234	0.0620	3.06E-01	1.48F 00	2.76F 00	3455F 20	3.85E 00	3.83E 00
3	1	3_	2	2107.00	2	4126.77	2.4232	0.0609	1.84E-02	3.00E-02	3.236-02	3.00E-02	2.62F-02	2.23E-02
4	2	82	81	15909.25	2	4126.94	2.4231	0.0303	0.0	4.85F-06	1.43E-04	9.68F-04	3.18E-03	6.96E-03
. 2	0	9	10_	202.12	2	4127.14	2.4230	0.0624	2.92E-01	1.91E-01	1.30E-01	9.21F-02	6.705-02	5.00F-02
~ 6	4	30	29	10021.54	1	4127.20	2.4229	0.0340	1.20E-03	9.77F-02	6.32E-01	1 R4E 00	3.43F 00	์ รั∙๊ก3ฅ ๋ก็ดี
5	3	92	91	21574.38	1	4127.52	2.4228	0.0303	0.0	4.07E-06	4.68E-04	7.17E-03	4106F-02	1.316-01
3	1	100	99	19578 • 40	2	4127.86	2.4226	0.0303	0.0	0.0	7.03E-06	8.96E-05	3.76E-04	1.96E-03
6	4	69	68	16971.09	1	4127.94	2.4225	0.0303	0.0	3.29E-04	1.265-02	9.91E-02	3.61E-01	8.51E-01
Έ	1	~~17~	18	2794.11	1	4127.99	2.4225	0.0568	3.52F 00	8.04E 00	1.02F 01	1.05F 01	9.82F no	8.77F 00
4	2	22	21	4999.68	2	4128.42	2.4222	0.0496	4.75E-03	3.11F-02	6.70E-02	9.44E-02	1.096-01	1.13F-01
- '4		106	105	24504.34	1	4128.63	2.4221	0.0303	0.0	0.0	4.34F-05	1.015-03	7.60F-03	3.90E-92
6	4	31	30	10132.03	1	4128.67	2.4221	0.0335	1.07E-03	8-21E-02	6.07E-01	1.79E 00	3.39E 00	5.00F 00
5	3	8	7	6455.12	Ti-	4129.12	2.4218	0.0623	3.17E-02	4.19E-01	1.28E 00	2.23F 00	2.96E 00	3.40F 00
4	2	81	80	15628.77	2	4129.14	2.4218	0.0303	2:0	6-24E-06	1.72E-04	1.12E-03	3.57F-03	7.67E-03
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	127	126	29184.00	1	4129.39	2.4217	0.0303	0.0	0.0	0 • 0	1.585-05	1.85F-04	1.016-03
6	4	68	67	16726.89	1	4129.41	2.4217	0.0303	0.0	4.07E-04	1.46E-02	1.12E-01	3.97=-01	9.21F-01
	- 4	32	31	10246.16	· 1 -	4130.07	2.4213	0.0331	9.40F-04	7.65F-02	5.82E-01	75E 00	3.33€ 00	4.96E 00
3	1	4	3	2117.93	2	4130.15	2.4212	0.0611	2.42E-02	3.98E-02	4.30E-02	4 .00F-02	3.505-02	2.98E-22
4	<u>2</u> -	23	22	5078.88	2 -	4130.49	2.4210	0.0476	4.46E-03	3.03E-02	6.66F-02	9.485-02	1.12F-01	1.15F-01
4	2	5	è	4339.32	1	4130.67	2.4209	0.0617	2.74E-01	1.31E 00	2.42E 00	3.10E 00	3.36F 00	3.34F 00
······································	1	117	176	26861.52	- nima ma	4130.69	2.4209	0.0303	0.0	0.0	4.70E-06	1.54E-04	1.45E-03	6.72E-03
6	4	67	66	16486.06	1	4130.79	2.4208	0.0303	0.0	5.02E-04	1.70E-02	1.26E-01	4.36F-01	9.95E-01
5		91	90	21252.63	- <del></del>	4130.83	2.4208	0.0303	0.0	5.44F-06	5.79E-04	8.46E-03	4.64F-02	1.47F-01
4	2	60	79	15351.45	2	4131.26	2.4206	0.0303	0.0	7.99E-06	2.06E-04	1.29E-03	4.00E-03	8.44E-03
<u>ż</u>		ĕ	<del>- ' </del>	165.38	2	4131.39	2.4205	0.0624	2.78E-01	1.79E-01	1.21F-01	8 51E-02	6.17F-02	4.60E-05
6	4	33	32	10363.92	ī	4131.39	2.4205	0.0326	8.24E-04	7.09E-02	5.555-01			
<u>-</u> -	1	99	~55	19239.58	<u>~~</u> 2~~~	4131.42	2.4205	0.0325	0.0		化多元化二 经基本 化二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二		3.27 <u>F</u> 90	4 . 91 E 00
6	4	66	65	16248.61	1	4131.47	2.4201	0.0303		0.0	8.81F-06	9.63E-05	4.355-04	1.20E~03
· ~~~~	<del>-</del>	26	27	1449.99	<del>1</del>	<del></del>		<del></del>	0.0	6.17E-04	1.98F-02	1.41F-01	4.78F-01	1.075.00
						4132.14	2.4201	010398	1-14F 01	1.37E 01	1.26F 01	1 +07F 01	8.78F 00	7.15E 00
. , 5	. 3	9_	. 8	6485.03		4132.23	2.4200	0.0624	3.44F-02	4.61E-01	1.42F 00	2.48F CC	3.305 00	3.80F 00

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VŪ	T VI		JÜ	JL	LOWER	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CODE	WAVE	WAVE	HALF	******	* INTEGRAT		PTION ** CO	FFFICIENT *	*****
			,		STATE			NUMBER	LENGTH	. H ^{TOIH}			ÇM*Ğ		•	
					ENERG	Υ		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4		2	24	23	5161.	65	2	4132.49	2.4198	0.0457	4-15E-03	2.94F-02	6.58F-02	9.48E-02	1.11F-01	1,16F-01
6		4	34	33	104B5.	30	1	4132.63	2.4198	0.0321	7.18E-04	6.55F-02	5.27F-01	1.64E 00	3.20F 00	4.84E 00
3		1	16	17	2725.	67	1	4132.97	2 4 1 96	0.0585	3.69F_00	9.15E 20	1.02F 01	1.94E 01	00 3E9•6	୫∙୭୧ଅ ୦୯ ୍
4		2 1		104	24136.		1	4133.08	2 4 4 1 9 5	0.0303	0.0	0.0	5.57F-25	1.23F-03	8.025-03	3.445-02
4		2	79	78	15077.		_2	4133.30	2.4194	0.0303	2.0	1.02E-05	2.46F-04	1.485-03	4.48F-03_	###7 <u>#</u> ~^3_
6		4	65	64	16014.		1	4133.32	2 • 4 1 94	0.0303	0.0	7.55F-04	2.29E-02	1.585-01	5.23E-01	1.165 00
, <u>J</u>	~ ****	1	. 5	4	2132.	WANTE	. 2	4133.47	2.4193	0.0614	, 2•99E-22	4.94E-02	5.36F-02	4.99F-JS "	4.37F-02	ৣ₿∙ <i>Ţ</i> ⋽⋿∽ <u>∁</u> ⋛
6		4	35	34	10610.		1	4133.80	2.4191	0.0317	6.22F-04	6.02E-02	5.00E-01	1.58F 00	3.12E 00	4.77F 00
5		<u>.</u> .	90	89	20934.		1	4134.05	2.4189	0.0303	0.0	7.24F-06	7_14F-04_	9.97F03	5.31F-02	1.64E-01
4		2	25	24	5247.		2	4134.43	2.4187	0.0437	3•84E-03	2.43E-02	6 • 4 RE+02	9.45E-02	1.12F-01	1.185-01
6		4	64	63	15783.			4134.47	2.4187	0.0303	<u>c.o</u>	9.215-04	2.64F-02	1.76E-01	5,71F-01	1.24E 00
4		2	4	5	4316.		1	4134.80	2.4185	0.0614	2.375-01	1.12F 00	5.06E CU	2.63F 00	2.85F 00	2.82F 00
<u>6</u> _		4	36	35	10738.		1	4134.89	2.4184	2.6312	5.35E-C4.,	្ទ-515-03	4:72F-91	~~1.~25E~ 00	3.04E 90	4 • 68F 0.0.
3		1	98	97	18903.		2	4134.90	2.4184	0.0303	0.0	0.0	1.10F-05	1.155-04	5.02F-04	1.356-03
5		3_	10	9_	6518.		. 1	4135-26	2.4182	0.0624	3.66F-08	4.99F-01	1.55E.00.	2.72E 00	3+63F 00	4-19F 00
4		2	78	77	14806.	-	2	4135.27	2.4192	9.0303	0.0	1.30F-05	2.94F-04	1.69F-03	5.00F-03	1.025-02
6		4	63	62	15556.		!	4135.53	2.4181	0.0303	1 • 08E-06	1.12E-03	3.04E-92	1.96F-01_	6.23F-01	1 • 33L 00
2		0	7	8	132.		2	4135.59	2.4180	0.0623	2.61F-01	1.655-01	1 - 1 1 = -01	7.758-22	5.605-02	4.16F-02
<u></u>		_		125	28748			4135.60	2.4180	<u>0.0303</u>			~ 0 · 0	2.00E-05.	2.25F-04	1.19E-03 4.59F 00
6 3			37	36	10871.		1	4135.91	2.4178	0.0308	4.57E~04	5.02F-02	4.446-01	1.46E 00	2.95E 20 1.73E-03	7.92F-03
				115	26458		- <del>-</del>	4136.05	2.4178	0.0303		0.0		1.015-04		
4		2	26	25 61	5337•		2	4136.29	244176	0.0418 0.0303	3.53E-03 1.45E-06	2.72E-02 1.36F-03	6.35F-02 3.49E-02	0.39E-02 2.185-01	1 • 1 2E - 0 1 6 • 77F - 0 1	1.19F-01 1.43E 00
6		<del>-</del> -	62		15332. 2150.			4136.52	2.4175	0.0617	3.51E-02	5.87F-02	6.38F-02	5.976-02	5.237-02	4.47E-02
		۵	38	37	11007.		1	4136.86	2.4173	0.0303	3.89F-04	4.56E-02	4.16F-01	1.39E 00	2.86F 70	4-485 00
		2 .	77	76	14538			4137.16	2 4171	0.0303	2.0	1.64E-05	3.49F-04	1.94=-03	5-590-13	1.116-02
5		3	89	88	20618		1	4137.19	2.4171	0.0303	0.0	9.64E-06	8.81F-04	1.185-02	6.075-02	1.84=-01
6		4	61	60	15112.		1.	4137.43	2.4170	0.0303	1.95E-06	1.64F-03	3.99F-02	2.41E-01	7.35F-01	1.535 00
4			104	103	23771.		ĩ'	4137.45	2.4169	0.0303	2.0	9.0	7-128-05	1.50F-03	1.05F-02	3.93F-02
<del></del>		4	39	38	11146.		<u>î</u>	4137.72	2.4168	0.0303	3.29E-04	4.12F-02	3.89E-01	1.33F ^c	2.76E 01	4.375 00
ž		ó	25	26	1346.		1	4137.75	2.4168	0.0418	1.29E 01	1.46F 01	1.32F 01	1.10= 01	8 94E 01	7.23F 00
· · · · · · · · · · · · · · · · · · ·	~ /** *	i "	15	16	2661		ì,	4137.68	2.4167	0.0591	3.83£ 00	8.20E 00	1.01F 01	1.025 01	9.415 03	18.32F 00
4		2	27	26	5431.		2	4138.09	2.4166	0.0398	3.22E-03	2.59F-02	6.20F-02	9.28F-12	1-12E-01	1-196-01
5		3	īı	10	6556.		- ī	4138.23	2.4165	0.0525	3.84F-02	5.32F-1	1.67E 00	2.955 10	3.95# 00	4.57F 00
6		4	60	59	14895.	39	1	4138.26	2.4165	0.0303	2.60F-06	1.97F-03	4.56F-02	2.678-01	7.96E-01	J.63F 00
3 .		1	97	96	18570.	92	- z	4138.30	2.4165	0.0303	0 +0	0.0	1.38F-05	1.375-04	5.79=-04	1.526-03
6		4	40	39	11289.	51	1	4138.52	2.4163	0.0303	2.76E-04	3.71E-02	3.62F-01	1.26F 00	2.665 00	4.265,00
4		2	3	4	4297.	8ō 1	'n ï ¨	4138.85	2.4161	0.0011	1.96F-01	9.18F-01	1 • 685 " 0.0	2.14E 00	2.31F 00	2+29F 100
4		2	.76	75	14274.	14	2	4138.98	2.4161	0.0303	0.0	2.08E-05	4 • 1 AE-C4	2.21F-03	6.21F-03	1.225-02
6		4	59	58	14681.	85	1 ~	4139.01	2.4160	0.0303	3.46€-06	2.36F-03	5.206-02	2.956-01	9.63F-01	1.74F 00
6		4	41	40	11436.	14	1	4139.23	2.4150	0.0303	2.31F-04	3.32F-92	3+36F-01	1.20F 00	2.56F 11	4.14F 00
6		4	58	57	14471	76	i	4139.68	2.4156	0.0303	4.57E-06	2.82F-03	5.91E-02	3.260-01	4•3°F-01	~ 1.86F 00
2		0	6	3	102.	91	2 _	4139.72	2.4156	0.0520	2.39E-01	1.49F-01	9.966-02	ร•อฐฅ⊸กะ	5.006-32	3.715-02
4		2 '''	28	27	5528.	43	2	4139.92	2.4156	0.0379	2.925-03	2.46E-02	6.025-02	9.156-22	1 +1 1F=01	1 • 1 9F-01
6		4	42	41	11586		.1	4139.87	2.4155	0.0303	1-92F-04	2.96F-12	3-11E-01	1 • 1 3E 00	8.46E 00	4.01F 00
3		1	7	6	2172	57	2	4139.90	2.4155	0.0620	4.00F-02	6.74F-02	7.38E-02	6 • 92F-02	6.085-02	5.205-02
55		3	88	87	20306		1	4140-25	2.4153	0.0303	0.0	1 - 2,85-05	1.08E-03	1.386-02	6.94F-02	2.066-01
6		4	57	56	14265.		ī	4140.28	2.4153	0.0303	6.92E-06	3.36E-03	6.70F-02	3.595-71	1+91F 00	1.97= 00
6.		4	.43	42	11740,	14	1	4140.44	2.4152	0.0303	1.58F 7.24	2.645-02	2.87E-01	1.07E 00	2.35F 00	3.88F 00
4		2	75	74	14012		2	4140.72	2.4150	0.0303	0+0	2.62F-05	4.90F-04	2.52F-03	6.916-03	1.336-02
6		4	56	55	14061.		,1	4140.79	2.4150	2.0303		3.99E-03	7.58E-02	3.945-01	1.09= 01	2.10F 00
6	-	4	44	43	11897.	51	1	4140.93	2.4149	0.0303	1.305-04	2.33F-02	2.64F-01	1.005 00	2.24E 00	3.74F 00
											3.97F-02			3+16F 00	4.25F 00	4.035 00

MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

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								C/	RBON MONOX	IDE	·				
	~~vu	۳۳VL,	"''JŲ	JĽ	L'owèr '	CODE	***********		Secretary	-	-	distributions are a second of second of	were the fitting of	wat i r a k	TKM Ascus Mark
	40	٧.,	30	7	STATE	CODE	WAVE	WAVE	HALF	******	** INTEGRATE			EFFICIENT *	*****
	•				ENERGY		CM-1	LENGTH	WIDTH H2	T = 1000	T = 1500	. <u> </u>			
							Ç.: 1	191614014	ne.	1 - 1000	1 = 1500	T = 2000	T = 2500	T = 3000	T = 3500
•	34														
14 1 6 75	6	~, 4 Î	55	, 5,4	13862.29	.1	4141.23	2.4147	0.0303	1.02E-05	4.72E-03	8.55E-02	4 - 32E-01	1.17È 00	2.22F 00
	" <b>3</b> "					1	4141.33	2.4147	0.0303	0.7	0.0	8-13F-06	2.37E-04	2.075-03	9.095-03
	6	4		44	12058.43	. 1	4141.34	2.4147	0.0303	1.06F-04	2.06E-02	2.42E-01	9.41E-01	2.14F 00	3.60F 00
	4	2		28	5629.04	2	4141.48	2.4146	0.0359	2.63E-03	2.33F-02	5.83F-02	8.99E-92	1.10F-01	1.19E-01 ,
~~	_ <u>6</u> _3			- 53 95	13666.09	<u>1</u>	4141.59	2.4145	0.0303	1 - 33E-05	<u>5.57F-03</u> _	9.61E-02	4.72F-01	1.25F.00	2.35F 00
	6	4	46	45	12222.92	-	4141.68	2.4145	0.0303 0.0303	0.0	0.0	1.716-05	1.62E-04	6.66F-04	1.71E-03
• • •	ž		125	124	26316.55	1	4141.72	2.4145	0.0303	0.0 0.0	1.81F-02	2.21F-01	8.81F-01	2.07F 00	3.46E 00
	4		103	102	23409.84	ī	4141.73	2 • 4 145	0.0303	0.0	0.0	9.09E-05	2.52E-05 1.81F-03	2.72E-04 1.22E-02	1.40F-03 4.49E-02
~	· 6	~~ 4	Î ŜŠ	52	13473.39	1	4141.87	2.4144	0.0303	1.71E-05	6.54E-03	1.08E-01	5.15E-01	1.34E 00	2.495 00
	6	4	47	46	12390.96	1	4141.93	2.4143	0.0303	6.95E-05	1.58F-02	2.01F-01	8+22E-01	1.93E 00	3.32E 00
	6	4		51	13284.19	i	4142.07	2.4143	0.0304	2.196-05	7.65F-03	1.20E-01	5.62F-01	1.435 00	2.62E 00
	6_	4	4.8	47.	12562.54	. 1	4142.12	2.4142	0.0303	5.58E-05	1.38E-02	1.83F-01	7.65E-01	1.82F 00	3.18E 00
	6	4	51	50	13098.50	1	4142.20	2.4142	0.0303	2.79F~05	8.91F-03	1.34E-01	6.07E-01	1.53F 00	2.76E 00
	6	-4	49	48	12737.67	1	4142.22	2.4142	. 0.0303,	4 • 4 5E-05	1.20F-02	1.65F-01	7 . 10E-01	1.72E 00	3.04E 00
	6	4 2	50 74	49 73	12916.32 13754.80	1	4142.25	2.4141	0.0303	3.53F-05	1.03F-02	1.49E-01	6.58E-01	1.62F 00	2.90E 00
	3	ີ .	14	- 15	2600.15	<u> 2</u>	4142.38	2.4141	_0.0303	0-0	_ 3+29E-05	5.78F-04	2.87F-03	. 7:66E-03	1.45E-02
	4	ź	2	3	4282.70	i	4142.72	2.4138	0.0597	3.94E 00	8.20E 00	9.966 00	9.95E 00	9.135 00	8.05E 00
ယ္ခ်	. 3	1	a	<del></del> 7	2198.07	· 2	4143.01	2.4137	0.0623	1.51F-01 4.43E-02	7.02F-01 7.57E-02	1.28E 00 8.33E-02	1_63E_00	1,75E 00.	1.73E 00
75	4	2	30	29	5733.20	2	4143.07	2.4137	0.0340	2.35F-03	7.19E-02	5.63F-02	7.84E-02 8.81E-02	6.91F-02	5.92F-02 1.19E-01
	5	.2. 2	87	86	19997.09	1 ⁻	4143.22	2 4 4 1 3 6	0.0303	0.0	1.69E-05	1.33F-03	1.635-02	7.91E-08	2.37E-01
	_ 2	o	24-	25	1247.11	_ 1	4143.30	2.4135	0.0437	1.43E 01	1.56E 01	1.37E 01	1.138 01	9.07F 00	7.29F 00
	2	Ō	`5	6	77.19	2	4143.79	2.4132	0.0617	2.14E-01	1.32F-01	8.74E-02	6 • 06E-02	4.35F-02	3.23E-02
	5	3	. 13	12	6642.00		4143.94	2.4132	0.0610	4.06E-02	5.86E-01	1.88E 00	3.36E 00	4.53E 00	5.27E 00
	4	2	73	72	13499.99	2	4143.97	2.4131	0.0303	0.0	4.11F-05	6.81F-04	3.26F-03	8.48E-03	1.586-02
•	3	. 2	31 95	_ 30 94	17914.32	2 2	4144.59	2.4128	0.0335	2.10E-03	2.06E-02	5.42E-02	8.61E-C2	1 • 08E-01	1 • 18E-01
	4	ż	72	71	13248.44	2	4144.87 4145.49	2.4126 2.4123	0.0303 0.0303	0.0	0.0	2.13F-05	1 • 92E-04	7.65F-04	1.925-03
* * **	4-	- 2	102		23050.98	<del></del> -	4145.93	2.4120	0.0303	0.0	5.13E-05	7.99F-04	3.69F-03	9.38E-03	1.71E-02
	4	2	32	31	5952.17	2	4146.04	2.4119	0.0331	1.86E-03	1.92F-02	1.16E-04 5.2CE-02	2.19E-03 8.40E-02	1.43F-02	5-12E-02
,,,,	<u> </u>	1	9	B	2227.21	2	4146.06	2.4119	0.0624	4 -81E-02	8.33E-02	9.24E-02	8 73E-02	1.06F-01 7.71F-02	1.18F-01 6.62E-02
	. 5	3	. 66	85	19691.13	. 1	4146.11	2.4119	0.0303	0.0	2.23E-05	1.63E-03	1.91E-02	9.01E-02	2.56E-01
	3	1	114		25660.13	i	4146.53	2.4117	0.0303	0.0	0.0	1.075-05	2.945-04	2.47E-03	1.056-02
	5_	3	14	13	6690.57		4146.68	2.4116	0.0604	4.10E-02	6.06E-01	1.96E 00	3.53E 00	4.80F 00	5.60F 00
	4	2	1	2	4271.38	1	4146.75	2.4115	0.0606	1.036-01	4.75F-01	8.63E-01	1.10F 00	1.18E 00	1.17E 00
**** 1 400pp	<b>%</b>	2	<u>71</u> 33	70 32	13000-15		4146.93	2.4114	0.0303	0.0	6.37E-05	9.36E-04	4.17F-03	1.03E-02	1.86F-12
	3	1	13	14	6066.97 2543.08	2	4147.42 4147.50	2.4111	0.0326	1.63F-03	1.79E-02	4.97E-02	8.17E-02	1.04E-01	1 - 16E-01
	ž		124		27886.86	· · 1	4147.75	2.4111	0.0604	4.01E 00	8-12E 00	9.74E 00	9.65F 00	R • BOE00	7.73E 00
	2	ŏ	4	5	55.14	ż	4147.79	2.4109	0.0514	0.0 1.85E-01	0.0 1.13E-01	0 • 0 7 • 0 6 E = 0.3	3.17F-05 .	3-29F-04	1.64F-03
	~ з	₁	94	93	17590.57	<del></del>	4148.03	2.4108	0.0303		0.0	7.44E-02 2.64E-05	5.14E-02 2.27E-04	3-69E-02 8-77F-04	2.73E-02
	4	2	70	69	12755.13	2	4148.30	2.4106	0.0303	0.0	7.89F-05	1.09E-03	4.70E-03	1.145-02	2.16E-03 2.01E-02
	4	ź	34	33	6185.32	2	4148.73	2.4104	0.0321	1.43E-03	1.656-02	4.74F-02	7.92F-02	1.02F-01	1.15F-71
	2	0	23	24	1151.37	1	4148.78	2.4103	0.0457	1.59E 01	1.65E 01	1.42E 01	1 .15F 01	9.17E 00	7.32F 00
	5	3	85	84	19388.37	1	4148.92	2.4103	0.0303	0.0	2.93E-05	1.995-03	2 • 23E-02	1.02F-01	2.856-01
	3 5	, <u>1</u>	. 10.	9	2259.98	_2	4149.04	2.4102	0.0624	5 1 3E-02	9.02E-02	1.01E-01	9.58E-02	8.49E-02	7.30E-02
	5		15	14	6742.87	1	4149.36	2.4100	0.0597	4.09E-02	6.21E-01	2.04E 00	3.70E 00	5.04F 00	5.91E 00
7,000	- 4	2 2	-69 36	68	12513-40	~ <del>~</del> ~~~	4149.59	2.4099	0.0303		9.74F-05	1.27E-03	5.28E-03	1.25F-02	2.18F-02
	4		101	34	6307•19 22695•13	2	4149.97	2.4097	0.0317	1.24E-03	1.53E-02	4.50E-02	7.65E-02	1.07E-01	1.14E-01
		<u>-</u> -		100	4263.83		4150.04 4150.60	2.4096	0.0303	0.0	0.0	1.47E-04	2.64E-03	1 • 67F-02	5.82F-02
	4	2			12274.96		4150.80	2.4093	0.0603	5.21E-02	2.41E-01	4.36F-01	5.53E-01	5 • 956-01	5.88F-01
	• •	****								_0.0,	1.20F-04	1.48E-03	5.93E-03	1.37F-02	2.35E-02

<del></del> -	VÜ	Ϋ́	` "มีบิ"	JĽ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORI		EFFICIENT *	*****
				·	ENERGY	***************************************	CV-1	MICRON	HS	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
*,==,====	3_	1	93	92	17269.87	2	4151.12	2.4090	0.0303	0.0	0.0	3.26E-05	2.68E-04	1.00F-03	2.41F-03
	4	2		35	6432.60		4151.14	2.4090	0.0312	1.08E-03	1.40E-02	4.26E-02	7.375-02	9.75E-02	1.125-01
	3		113		25265.22		4151.63	2.4087	0.0303	0.0	<u> </u>	1.49E-05	3.64E-04	2.94E-03	1.22F-02
	5	3		83	19088.83		4151.65	2-4087	0.0303	0.0	3.83E-05	2.43E-03	2.605-02	1 • 1 6E = 0 1	3.17F-01
	2	0	3	4	36.76		4151.72	2.4086	0.0611	1.52E-01	9.24E-02	6.06E-02	4-18E-02	2.995-05	2.21E-02
	4	2		66	12039.83		4151.95	2 • 4 0 8 5	0.0303	0.0	1 • 4 7E - 04	1.71E-03	6.64E-03	1.50F-02	2.53E-02
	3	1		10	2296.39		4151.96	2.4085	0.0625	5.38E-02	9.64E-02	1.09E-01	1.04F-01	9.23E-02	7.96E-02
	5	3		15	6798.89		4151.96	2.4085	0.0591	4.05F-02	6.31E-01	2.10E 00	3.84E 00	5.27E 00	6.19E 00
	3	1	12	13	2489.80		4152.20	2.4084	0.0610	4.04E 00	7.98E 00	9.45E 00	9.29E 00	8.43E 00	7+38E 00
	4	_ 2		36	6561.53		4152.24	2.4083	0.03,08	9.25E-04	1.28E-02	4.02E-02	7.08E-02	9.49F-02	1.10E-01
	4	2		65	11808.00		4153.01	2.4079	0.0303	1.05F-06	1.79E-04	1.98E-03	7.42E-03	1.64E-02	2.72E-02
	4	2		37	6693.98		4153.27	2.4077	0.0303	7.90E-04	1.17F-02	3.78F-02	6.79E-02	9.21E-02	1 • Q7E-01
	2			122	27459.88		4153.69	2.4075	0.0303	0.0	0.0	1.12E-06	3.99E-05	3.98E-04	1.92F-03
	4	/ 2		64	11579.50		4154.01	2.4073	0.0303	1-42E-06	2.18E-04	2.28E-03	8.28F-03	1.795-02	2.9SE-05
	4		100	99	22342.30		4154.07	2.4073	0.0303	0.0	1.35E-06	1.86E-04	3.19E-03	1 • 94E-02	6.62E-02
	Ξ.	1	92	91	16952.23		4154.14	2.4072	0.0303	0.0	1.06E-06	4.02E-05	3.16E-04	1.15E-03	2.70E-03
	2	0		23	1059.42		4154.19	2.4072	0.0476	1.75E 01	1.74E 01	1.46E 01	1.17F 01	9.24F 00	7.33E 00
	4	2		38	6829.95	2	4154.23	2.4072	0.0303	6.71E-04	1.06E-02	3.54E-02	6.48E-02	8.91E-02	1.05E-01
	5_	3		82	18792.51		4154.30	2.4071	0.0303	0.0	5.00E-05	2.95E-03	3.03E-02	1.32E-01	3+52E-01
376	5	3		16	6858.63		4154.49	2.4070	0.0585	3.97E-02	6.37E-01	2.15E 00	3.96E 00	5.47E 00	6.46E 00
oi	3_	<u>_</u> !	12	11	2336.44		4154.81	2.4068	0.0617	5.58E-02	1.02E-01	1.16F-01	1.11E-01	9.94E-02	8.60E-02
	4	2		63	11354.33		4154.93	2.4068	0.0303	1.92E-06	2.65E-04	2.62E-03	9.21E-03	1.95F-02	3.13E-02
	4	_ 2		39	6969.43		4155.12	2.4067	0.0303	5.67E-04	9.55E-03	3.30E-02	6.18E-02	8.60E-02	1.02E-01
	2	0		3	22.06		4155.60	2.4064	0.0609	1.176-01	7.06E-02	4.61E-02	3.18E-02	2.27E-02	1.68E-02
	4	2		62	11132.49		4155.77	2.4063	0.0303	2.58E-06	3.20E-04	3.00E-03	1.02E-02	2.12E-02	3.36F~02
	4	2		40	7112.42		4155.94	2.4062	0.0303	4.76E-04	8.59E-03	3.08E-05	5.87E-02	8.29E-02	9+94E-02
	<u>4</u>	2 1		-61	10914.00		4156.55	2.4058	0.0303	3.45E-06	3.86E-04	3 • 4 3E-03	1.13F-02	2.30F-02	3.59E-02
		2			24873.19		4156.65	. 2.4058,	0.0303	0.0	0.0	1.82E-05	4.49E-04	3.49E-03	1.426-02
	- 3	1		_41	7258.90		4156.69	2.4058	0.0303	3.98E-04	7.70E-03	2.85E-02	5.56E-02	7.97E-02	9.65E-02
	5	3		12 81	2440.32 18499.43		4156.84	2.4057	0.0617	4.03E 00	7.76E 00	9.08E 00	8.87E 00	8.01E 00	6.99F 00
N 71 1 TH	<del></del>	3		177			4156.86	2,4057	0.0303	0.0	6.51E-05	3.58E-03	3.53€-02	1.49E-01	3.90E-01
	3	1		90	6922•10 16637•68		4156.95	2.4056	0.0568	3.86E-02	6.38E-01	2.19E 00	4-07E 00	5.65E 00	6.70E 00
		2		60-	10698.87		4157.07	2.4055	0.0303	0.0	1.41E-06	4.95E-05	3.72E-04	1.31E-03	3.02E-03 -
	4	2		42	7408.88		4157.24 4157.36	2.4054	0.0303	4.59E-06	4.63E-04	3.91E-03	1.255-02	2.49E-02	3.82E-02
***	3	i		12	2380.12		4157.59	2.4054	0.0303	3.30E-04 5.71E-02	6.87E-03	2.64E-02 1.22E-01	5.26E-02	7.64E-02	9.35E-02
	4	2		59	10487.10		4157.87	2.4051	0.0303	6.08F-06	1.06E-01 5.54E-04	4.45E-03	1.18F-01	1.06E-01 2.69E-02	9.21E-02 4.07E-02
	<del>-</del>	— <u>=</u>		43	7562.35		4157.97	2.4050	0.0303	2.73E-04	6-11E-03	2.43E-02	1.38E-02 4.96E-02	7.31E-02	9.04E-02
•	4	2		98	21992.52		4158.01	2.4050	0.0303	0.0		2.35E-04			
		2			4260.05		4158.08	2.4050	0.0603	5.30E-02	1.85E-06 2.44E-01	4.42E-01	3.83E-03 5.61E-01	2.26E-02 6.03E-01	7.51E-02 5.96E-01
	4	2		58	10278.70		4158.42	2.4048	0.0303	8.03E-02	6.61E-04	5.06E-03	1.52E-02	2.91E-02	4.34E-02
	<u>-</u>	2		44	7719.30		4158.50	2.4047	0.0303	2.24E-04	5.41E-03	2.24E-02	4.666-02	6.98E-02	8.73E-02
	4	2		57	10073.68		4158.90	2.4045	0.0303	1.05E-05	7.87E-04	5.73F-03	1.675-02	3.14E-02	4.62E-02
		2		45	7879.72		4158.97	2.4044	0.0303	1.83E-04	4.77E-03	2.05E-02	4.37E-02	6 • 65F-02	8.40E-02
	4	2		56	9872.04		4159.30	2.4043	0.0303	1.38E-05	9.335-04	6-47E-03	1 • B4E-02	3+38E-02	4.90E-02
	5	<u>-</u> 3		80	18209.59		4159.34	2.4042	0.0303	0.0	8.44E-05	4.33E-03	4.095-02	1.68E-01	4.315-01
	5	3		18	6989+28		4159.34	2.4042	0.0552	3.72E-02	6.35E-01	2.21E 00	4 • 16E 00	5.81E 00	6.92E 00
	4	2		46	8043.62		4159.36	2.4042	0.0303	1.49E-04	4.19E-03	1.875-02	4.09E-02	6.325-02	8.08E-05
	2	ō		2	11.03		4159.40	2.4042	0.0606	7.98F-02	4.78E-02	3-12E-02	2 • 14E-02	1.536-02	1.13E-02
	2	0		22	971.28		4159.54	2.4041	0.0496	1.91E 01	1.82E 01	1.49E 01	1.18E 01	9.27F 00	7.31E 00
	2	ŏ		121	27035.63		4159.55	2.4041	0.0303	0.0	0.0	1.495-06	5.01E-05	4.79F-04	2.25F-03
	<del>-</del>	· · ž		55	9673.80		4159.63	2.4041	0.0303	1.79E-05	1.10E-03	7.29F-03	2.01E-02	3.63F-02	5.19E-02
	. 4	2			8210.98		4159.68	2.4040	.0.0303	1.20E-04	3.67E-03	1.71E-02	3.82E-02	5.99E-02	7.75F-02
			٠,						—						

VU	ΫĹ	JÜ.	JĽ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR CM*G		EFFICIENT *	****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	2	55	54	9478.96	2	4159.89	2.4039	0.0303	2.31E-05	1.30E-03	8-19E-03	2.205-02	3.90E-02	5.50E-02
4	2	49	48	8381.80	2	4159.92	2.4039	0.0303	9.64E-05	3.20E-03	1.55E-02	3.55E-02	5.67F-02	7.42E-02
3	1	90	89	16326.21	2	4159.93	2.4039	0.0303	0.0	1.86E-06	6.07E-05	4.36E-04	1.49E-03	3.36E-03
4	` <u>"</u> <u>2</u>	54	53	9287.54	- 2	4160.08	2.4038	0.0303	2.97E-05	1.52E-03	9.18E-03	2.40E-02	4.17E-02	5.80E-02
4	2	50	49	8556.07	2	4160.10	2.4038	0.0303	7.70E-05	2.78E-03	1.40E-02	3.30E-02	5.35E-02	7.09E-02
4	2	53	52	9099.53	2	4160.19	2.4037	0.0303	3.80E-05	1.78E-03	1.03E-02	2.60F-02	4.45E-02	6.12E-02
4	2	51	50	8733.79	2	4160.20	2.4037	0.0303	6.12E-05	2.40E-03	1.27E-02	3+06E-02	5.04F-02	6.76E-02
4	2	52	51	8914.94	2	4160.23	2.4037	0.0303	4.84F~05	2.07E-03	1-14E-02	2.83E-02	4.74E-02	6.44E-02
3		14	13	2427.44	2	4160.31	2 • 4 0 3 7	0.0604	5:78E-02	1.10E-01	1.28E~01	1.256-01	1.12F-01	9.78E-02
3	1	10	11	2394.64	1	4161.41	2.4030	0.0625	3.96€ 00	7.47E 00	8.65E 00	8.39E 00	7.55E 00	6.56F 00
3		111		24484.04	_1	4161.59	2 • 4 0 2 9	0.0303	0.0	0.0	2.38E-05	5 • 54E - 04	4.14E-03	1.64E-02
5	3	20	19	7060-17	1	4161.65	2 + 4 0 2 9	0.0535	3.56E-02	6.28E-01	2.22F 00	4.22E 00	5.94F 00	7.11F 00
<u> </u>	<u>2</u>	2_	·	4263.83		4161.71	2.4029	0.0606	1.06E-01	4-90E-01	8.87E-01	1.13E 00	1.21E 00	1.20E 00
5		08	79	17923.02		4161.74	2.4028	0.0303	0.0	1.09E-04	5.23E-03	4.74E-02	1.89E-01	4.76E-01
	2 1	<u>98</u> 	. <u>97</u> _	21645.80 16017.84	- <u>1</u>	4161.87	2.4028	0.0303	0.0	2.53E-06	2.97E-04	4 - 59E-03	2.62E-02	8.52E-02
3	1	15	14	2478.38	2	4162.70 4162.95	2.4023 2.4021	0.0303 0.0597	0.0 5.78E-02	2.46E-06 1.13E-01	7.45F-05 1.33F-01	5-125-04	1.70E-03	3.75E-03
<u>z</u> _	- 6	- 20	<del></del>	3.68	2	4163.14	2.4020	0.0597	4.05E-02	2.42E-02	1.57E-02	1.31E-01 1.08E-02	1.18E-01 7.72E-03	1.03F-01 5.69E-03
	<u> </u>	21	20	7134.78	ī	4163.89	2.4016	0.0515	3.37E-02	6.17E-01	2.23E 00	4.27E 00	6.06E 00	7.28E 00
~,,,,,,5 5	~~~ <u>~</u>	79	78	17639.71	<del></del>	4164.06	2.4015	0.0303	0.0	1.40E-04	6.29E-03	5.47E-02	2.13E-01	5.25E-01
2	ō	20	21	886-95	ī	4164.83	2.4011	0.0515	2.07É 01	1.89E 01	1.52E 01	1.19E 01	9.27F 00	7.27E 00
4	2	3	2	4271.38	i	4165.28	2.4008	0.0609	1.58E-01	7.34E-01	1.33E 00	1.69E 00	1.82E 00	1.805 00
2	0	121	120	26614-14	1	4165.32	2.4008	0.0303	0.0	0.0	1.99E-06	6.285-05	5.77E-04	2.64E-03
3	ì	88	ê7 °	15712.59	2	4165.41	2.4007	0.0303	0.0	3.24E-06	9.12E-05	6.00E-04	1.93E-03	4.18E-03
3	. 1	16	15	2532.96	2	4165.53	2.4007	0.0591	5.74E-02	1 - 15E-01	1.37F-01	1.36E-01	1.24E-01	1.08F-01
4	2	97	96	21302.14	1	4165.65	2.4006	0.0303	0.0	3.46E-06	3.73E-04	5.50E-03	3.03E-02	9.64E-02
3	1	9_	10	2352.76	1	4165.92	2.4004	0.0624	3.85E 00	7.10E 00	8+14E 00	7.85E 00	7.04F 00	6.10E 90
5	3	22	21	7213.10	1	4166.05	2.4004	0.0496	3.17E-02	6.03E-01	2.22E 00	4.30E 00	6 14F 00	7.43F 20
5	3	78	77	17359.69	1	4166.30	2.4002	0.0303	0.0.	1.80E-04	7.55E-03	6.31E-02	2.395-01	5.78E-01
3	1	110		24097.80	1	4166.43	2.4001	0.0303	0.0	0.0	3.99E-05	6.81E-04	4.91E-03	1.896-02
		87	86	15410.46	عِــــــــــــــــــــــــــــــــــــ	4168-03	2.3992	0.0303	0.0	4.26E-06	1.11F-04	7.02F-04	2.20F-03	4.66F-03
3	1	17	16	2591.16	2	4168.05	2.3992	0.0585	5.64E-02	1.16F-01	1.415-01	1.40E-01	1.28E-01	1.13E-01
5	3	<u>23</u>	- <u>22</u> 76	7295-12	— <u>-</u>	4 168 - 15	2.3991	0.0476	2.96E-02	5.86E-01	2.20E 00	4.31E 00	6.215 00	7.55F 00
4	2	Α,	.3	17082.96 4282.70	1	4168.46	2.3990	0.0303	0.0	2.31E-04	9.04E-03	7.26E-02	2.67E-01	6+36F-01
4	2	96	95	20961.57	<del>i</del>	4168.77	2.3988	0.0611 0.0303	2.09E-01	9.74E-01	1.77E 00	2+26E 00	2.43F 00	2.41E 00
2	0	19	20	806.42	1	4170.04	2.3981	0.0535	2.22E 01	4.71F-06 1.96E 01	4.68E-04 1.55E 01	6.57F-03	3.51F-02	1.095-01
<u>_</u>	ž		~`~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	7380.84	<del></del>	4170.17	2.3980	0.0457	2.75E-02	5.66F-01	2.17E 00	1.19E 01 4.31F 00	9.23E 00	7.20E 00
3	1	8	9	2314.69	i	4170.35	2.3979	0.0524	3.67E 00	6.66E 00	7.57E 00	7.26E 00	6.48E 00	7.65E 00
		i	<del></del> -	-0.0	<u>-</u>	4170.43	2.3978	0.0603	4.12E-02	2.45E-02	1.60E-02	1.10E-02	7.82E-03	5.76E-03
3	1	18	17	2652.99	2	4170.49	2.3978	0.0568	5.49E-02	1 • 17E-01	1.43E-01	1 - 44E-01	1.33E-01	1.175-01
5	3	76	75	16809.55	1	4170.53	2.3978	0.0303	0.0	2.94E-04	1.08E-02	8.33F-02	2.99F-01	6.98E-01
3	1	86	85	15111.48	2	4170.58	2.3977	0.0303	0.0	5.57E-06	1.36E-04	8.20E-04	2.49E-03	5-18F-03
<u>5</u>	0	120	119	26195.41	1	4171.00	2.3975	0.0303	0.0	0.0	2.64E-06	7.86E-05	6.93E-04	3.08E-03
. 3		109	108	23714.48	1	4171.20	2.3974	0.0303	0.0	0.0	4.01E-05	8.36E-04	5.81E-03	2.18E-02
-5	3	25	24	7470.27	1	4172.11	2.3969	0.0437	2.53E-02	5-44E-01	2.13E 00	4.28F 00	6.27F 00	7.72F 00
4	2	'5	4	4297.80	1	4172.19	2.3968	0.0614	2.57E-01	1.21E 00	2.21F 00	2.82E 00	3.04E 00	3.01E 00
5	3	75	74	16539.45	î	4172.52	2.3966	0.0303	0.0	3.73E-04	1.29E-02	9.555-02	3.34F-01	7.64F-01
3	1	19	18	2718.44	2	4172-87	2.3964	0.0552	5.31E-02	1.16E-01	1.45E-01	1.47E-01	1.37E-01	1.21E-01
4	2	95	94	20624.10	1	4172.95	2.3964	0.0303	0.0	6.40E-06	5.86E-04	7.84E-03	4.05F-02	1.23E-01
3	1_	85	E4	14815.63	2	4173.05	2.3963	0.0303	0.0	7.27E-06	1.65E-04	9.55E-04	2.82E-03	5.74F-03
2	0	2	1	3.68	2	4173.98	2.3958	0.0606	8-25E-02	4.92E-02	3.21E-02	2.20E-02	1.576-02	1.16F-02
5	3	26	25	7563+39	1	4173.99	.2.3958	0.0418	2.31E-02	5+20E-01	2.08E 00	4.25E 00	6.27F 00	7.77F 00

VU	VĹ	JU	JL	LOWER STATE	CÔDE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSORF CM*G)		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 5000	T = 2500	T = 3000	T = 3500
5	3		73	16272.68	1	4174.44	2.3955	0.0303	0.0	4.73F-04	1.53E-02	1.09E-01	3,72E-01	8.36E-01
3	1	7	8	2280.41	1	4174.71	2.3954	0.0623	3.45E 00	6.15E 00	6.93E 00	6.62E 00	5.89E 00	5.0BF 00
	1		19	2787.51	2	4175.18	2.3951	0.0535	5.09E-02	1.15E-01	1.46E-01	1 • 50E-01	1.405-01	1 • 25F-0
2	0	18	19	729.71	1	4175.19	2.3951	0.0552 .	2.37F 01	2+01E 01	1.56E 01	1.19E C1	9.15E 00	7.10E 00
3	1	84	83	14522.95	2	4175.45	2.3950	0.0303	0.0	9.46E-06	2.00E-04	1.115-03	3 • 1 9E-03	6.36E-0:
4	2	,6	5	4316.68	1	4175.55	2.3949	0.0617	3.02E-01	1.43E 00	2.63E 00	3.36E 00	3.64E 00	3.61E 00
5	3		26	7660.20	1	4175.79	2.3948	0.0398	2.10E-02	4.95E-01	2.02E 00	4.19E 00	6.25F 00	7.80E 00
3	1	108	107	23334.10	1	4175.87	2.3947	0.0303	0.0	0.0	5.19E-05	1.02E-03	6•87F-07	2.51F-0
5	. 3		72	16009.24	1	4176.27	2.3945	0.0303	0.0	5.97E-04	1.81E-02	1.248-01	4.13E-01	9.13F-01
4	2	94	93	20289.75	1	4176.47	2.3944	0.0303	0.0	8.66E-06	7.32E-04	9.33E-03	4.67E-02	1.38F-01
2	0	119	118	25779.47	1	4176.60	2.3943	0.0303	0.0	0.0	3.51E-06	9.84E-05	8.35E-04	3.60E-0
3	1	21	20	2860.19	2	4177.42	2.3938	0.0515	4.84E-02	1 . 1 4E-01	1.47E-01	1.52E-01	1.43E-01	1.28E-01
2	. 0	3	2	11.03	2	4177.45	2.3938	0.0609	1.23E-01	7.38E-02	4.81F-02	3.31E-02	2.37E-02	1 - 75E-02
5	3	28	27	7760.70	1	4177.51	2.3938	0.0379	1.89E-02	4.68E-01	1.96E 00	4.12E 00	6.21E 00	7.80E 0
. 3	1	E3	82	14233.45	2	4177.76	2.3936	0.0303	0.0	1.23E-05	2.42E-04	1.295-03	3.60E-03	7.04E-0
5	3	72	71	15749.16	1	4178.02	2.3935	0.0303	0.0	7.50E-04	2.14E-02	1 • 42E-01	4.59E-01	9.965-0
4	2	7	6	4339.32	1	4178.83	2.3930	0.0620	3.43E-01	1.64F 00	3.04E 00	3.90E 00	4.23E 00	4.20E 0
3	1	6	7	2249.94	1	4179.01	2.3929	0.0620	3.17E 00	5.57F 00	6+23E 00	5.92E 00	5.26F 00	4.53E 0
5	3	29	28	7864.89	1	4179.16	2.3928	0.0359	1.70F-02	4.41E-01	1.90E 00	4.046 00	6-15E 00	7.78E 0
3	1	22	21	2936.50	2	4179.59	2.3926	0.0496	4.57E-02	1.11E-01	1.46E-01	1.53F-01	1.45E-01	1.31F-0
5	3	71	70	15492.44	1	4179.69	2.3925	0.0303	0.0	9.40E-04	2.52E-02	1.61E-01	5.08E-01	1.085 0
4	2	93	92	19958.52	1	4179.91	2.3924	0.0303	0.0	1.17E-05	9.12E-04	1.11E-02	5+3RE-02	1.56E-0
3	1	82	81	13947.12		4180.00	2.3923	0.0303	0.0	1.585-05	2.925-04	1.495-03	4.06E-03	7.78E-0
2	0		18	656,82		4180.27	2.3922	0.0568	2.51E 01	2.05E 01	1.57E 01	1.19E 01	9.03E 00	6.97E 0
3	1	107	106	22956.67	1	4180.46	2.3921	0.0303	0.0	0.0	6.70F-05	1.25E-03	8.10F-03	2.88E-0
5	3	30	29	7972.75	1	4180.74	2.3919	0.0340	1.51E-02	4.14F-01	1.82E 00	3.95E 00	6.07E 00	7.74E 0
2	0	4	3	22.06	2	4180.87	2.3918	0.0611	1.63E-01	9.80E-02	6.41E-02	4.41F-02	3-16E-02	2.33E-0:
5	<u>-</u> 3	70	69	15239.10	1	4181.28	2.3916	0.0303	1.32E-06	1.17E-03	2.96E-02	1.82E-01	5.62F-01	1.18F 0
2	0	100	99	17644.22	2	4181.61	2.3914	0.0303	0.0	0.0	9.40E-06	8-17E-05	3.17E-04	7.82F-0
3	1	23	22	3016.41		4181.70	2.3914	0.0476	4.28E-02	1.08E-01	1.45E-01	1.54F-01	1.47E-01	1.33F-0
4	2	8	7	4365.74	1	4182.04	2.3912	0.0623	3.80E-01	1.84F 00	3.43E 00	4.41F 00	4 80E 00	4.78E 0
2	0	118	^î 17 ^	25366.34	1	4182.10	2.3911	0.0303	0.0	0.0	4.65E-06	1.23E-04	1.00F-03	4.21E-0
3	1	81	80	13663.99	2	4182.17	2.3911	0.0303	0.0	2.045-05	3.51E-04	1.72E-03	4.56E-03	8.58F-0
- ~~ <u>~</u> 5~	· "3	~~3ı`	30	8084.29		4182.24	2.3911	0+0335	1.34E-02	3.87E-01	1.75E 00	3.86F 00	5.99E 00	7.69E 0
5	3	69	68	14989.13	1	4182.80	2.3907	0.0303	1.84E-06	1.46E-03	3.47E-02	2.06E-01	6.215-01	1.28F 0
3			6	2223.28	<u>1</u>	4183.24	2.3905	0.0617	2.84E 00	4.92E 00	5.47E 00	5.18E 00	4.59F 00	3.94F 0
4	2		91	19630.43	1	4183.27	2.3905	0.0303	0.0	1.57E-05	1 • 1 3E-03	1.31E-02	5-18E-02	1.75E-0
5	3		31	8199.50	ī	4183.67	2.3902	0.0331	1.186-02	3.60F-01	1.68E 00	3.75E 00	5.89F 00	7.63F 0
3	1	24	23	3099.94	ž	4183.73	2.3902	0.0457	3.98E-02	1.05F-01	1.43E-01	1.54F-01	1.48E-01	1.35F-0
2	ő		4	36.76	<del></del>	4184.22	2.3899	0.0614	2.01E-01	1.22E-01	7.98E-02	5.51F-02	3.95E-02	2.92E-0
5	3		67	14742.56		4184.23	2.3899	0.0303	2.57E-06	1.81E-03	4.05E-02	2.325-01	6.84E-01	1.395 0
— <u> </u>	—— <u> </u>	eo	79	13384.06		4184.26	2.3899	0.0303	0.0	2.62E-05	4.22F-04	1.098-03	5.12E-03	9.45E-0
3	1	106		22582.21	1	4184.97	2.3895	0.0303	0.0	0.0	8+63E-05	1.535-03	9.54E-03	3.31F-0
~" ວັ	"""Š	33	32 "	8318.38	1	4185.02	2.3895	0.0326	1.03F-02	3.33E-01	1.60E 00	3.64E 00	5.78E 00	7,546 0
2	ō		98	17302-17		4185.13	2.3894	0.0303	0.0	0.0	1.185-05	9.77E-05	3.67E-04	8.856-0
	<u>-</u>		8	4395.93		4185.18	2.3894	0.0624	4 • 1 2E-0 1	2.03E 00	3.79E 00	4.91E 90	5.36E 00	5.34E 0
2	ō	16	17	587.75	ī	4185.28	2.3893	0.0585	2.63E 01	2.08E 01	1.56E 01	1.17E 01	8.86E 00	6.81E 0
· 5·	<u>*</u>		66	14499.39	- <del>î</del> -	4185.58	2.3892	0.0303	3.57E-06	2.24F-03	4.72E-02	2.62E-01	7.52E-01	1.50F 0
3			24	3187.07		4185.70	2.3891	0.0437	3.68E~02	1.01E-01	1.41E-01	1.53E-01	1.49F-01	1.36E-0
~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>1</u>	79	78	13107.35		4186.27	2.3888	0.0303	0.0	3.356-05	5.05F-04	2.29E-03	5.74E-03	1.04E-0
5	3		33	8440.93	1	4186.30	2.3887		8.98E-03					7.44E 0
4	2	****	33-	19305.50	· i	4186.54	2.3886	0.0321	0.0	3.08F-01 2.10E-05	1.52E 00 1.41E-03	3.52E 00 1.55F-02	5.65E 00 7.08F-02	1.96F-0

_	VU	VL	JU	JL	LOVER	CODE	WAVE	WAVE .	HALF	****	* INTEGRATI	ED ** ABSORE		EFFTCIFNT *	*****
				<del></del>	STATE ENERGY		NUMBER CM-1	MICRON	WIDTH H2	T = 1000	T = 1500	T = 5000	T = 2500	T = 3000	T = 3500
	<del></del>	<del></del>									4.21F 00	4.66F 00	4.40E 00	3.88F 00	3.33E 00
			<del></del>	. <u>5</u>	2200.42		4187.40	2.3881	0.0614	2.45E 00 2.36F-01	1.44E-01	9.51E-02	6.58E-02	4 • 72F-02	3.50E-02
	2			34	55•14 8567•12		4187.50 4187.51	2.3881	0.0317	7.76E-03	2.82F-01	1.44F 00	3.395 00	5.52F 00	7.32F 00
	- <u>5</u>	<u>3</u>	35 117	116	24956.02		4187.52	2.3880	0.0303	0.0	0.0	6.16E-06	1.54E-04	1.20F-03	4.91E-03
							4187.60	2.3880	0.0418	3.37E-02	9.68E-02	1.38F-01	1.52E-01	1.495-01	1.37F-21
	<u>3</u>	<u>1</u>	. <u>.26</u> 65	25 64	3277.80 14023.30		4188.04	2.3878	0.0303	6.78E-06	3.38E-03	6.36E-02	3.29E-01	9.03E-01	1.74F 00
	-	_	78	77	12833.86	•	4188.21	2.3677	0.0303	0.0	4.27E-05	6.03E-04	2.62E-03	6-42E-03	1.14E-72
	_3_	-1-2	16		4429.89	<u></u> -€	4168.25	2.3876	0.0624	4.38E-01	2.19E 00	4.14E 00	5.388 00	""5.89E"00	5.89F 00
	-	0	98	97	16963.14		4188.58	2.3874	0.0303	0.0	0.0	1.48F-05	1.176-04	4.245-04	1.00F-03
	<u>2</u> 5	<del>-</del>	36	35	8696.97		4188.64	2.3874	0.0312	6.67E-03	2.58E-01	1.36E 00	3.26E 00	5.37E 00	7-19E 00
	5 5	3	€4	63	13790.39		4189.15	2.3871	0.0303	9.27E-06	4.13E-03	7.35F-02	3.68F-01	9.87E-01	1.87E 00
	3		105	104	22210-73		4189.39	2.3870	0.0303	0.0	0.0	1.13E-04	1.86E-03	1.12F-02	3.79E-02
	-		27	26	3372.13	_	4189.43	2.3870	0.0398	3.08E-02	9.24F-02	1.35E-01	1.50E-01	1.48F-01	1.385-01
	<del>3</del>	<u>!</u>		36	B830.47		4189.69	2.3868	0.0308	5.69E-03	2.35E-01	1.27F 00	3.12E 70	. 5.21E 00 "	7.04F 00
	_	2	90	89		_	4189.73	2.3868	0.0303	0.0	2.81E-05	1.74E-03	1.84E-02	8.11F-02	2.20F-01
	- <del>4</del>	2	- 77 77	76	18983.73		4190.07	2.3866	0.0303	0.0	5.43E-05	7.19F-04	3.015-03	7.17F-93	1.25F-02
	5	3	63	62	13560.93		4190.19	2.3865	0.0303	1.26F-05	5.03E-03	8.47E-02	4.10E=01	1.08F 00	3.01E 00
	- 2		15	16	522.50		4190.23	2.3865	0.0591	2.73F 01	2.10F 01	1.55E 01	1.15F ^1	8.65E 00	6.62F 00
	5	3	36	37	8967.61		4190.67	2.3863	0.0303	4.83F-03	2.13E-01	1.19F Or	2.985 00	5.04F 00	6.88E 00
	- <u>2</u> .	~~~~~~	~~~~~	-3/	77.19		4190.71	2.3862	0.0620	2.68E-01	1.66E-01	1.10E-01	7.63E-02	5.49E-02	4.07F-02
379	5	3	62	61	13334.93		4191.14	2.3860	0.0303	1.70E-05	6.10F-03	9.74E-02	4.56E-01	1.17E 00	2.16E 00
<u> </u>	.3		28	27	3470.06		4191.19	2.3860	0.0379	2.79E-02	8.77F-02	1.31F-01	1.485-01	1.48F-01	1.38F-01
	4	1,	11	10			4191.19	2.3859	0.0625	4.595-01	2.34F 00	4.46E QD	5.83E CA	6.40F 00	6.42F 00
	3	<u>2</u>		4	4467 <u>.</u> 62 2181.37		4191.48	2.3858	0.0611	2.03E 00	3.45E 00	3.80F 00	3.57€ 00	3.15F 00	2.70F 00
	5	3	. 39	38	9108.38		4191.45	2.3857	0.0303	4.08E-03	1.92E-01	1.11E 00	2.84E 00	4.87F 00	6.71E 00
	- 3		76	75	12296.62		4191.86	2.3856	0.0303	0.0	6.88F-05	8.54E-04	3,44E-03	7.99F-03	1.37E-^2
	2	0	97	96	16627.14		4191.95	2.3855	0.0303	0.0	0.0	1.85E-05	1.39E-04	4.89F-04	1.13F-03
			- 61.	. 60	13112.37		4192.01	2.3855	0.0303	2.29E-05	7.37E-03	1.12E-01	5.06E-01	1.275 00	2.31F 00
	5	3	40	39	9252•79		4192.40	2.3853	0.0303	3.42E-03	1.73E-01	1.04F 00	2.70E 00	4.69E 00	6.53F 00
	굨 -	- 3	60	59	12893.29		4192.81	2.3850	0.0303	3.07F-05	8.88F-03	1.28E-01	5.61E-01	1.38F 00	2.47F 00
	4	2	89	88	18665.15		4192.84	2.3850	0.0303	0.0	3.75F-05	2.15E-03	2,175-02	9.29E-02	2.46E-01
-	2	<del></del>	116	115	24548.55		4192.86	2.3850	0.0303	0.0	0.0	8.14E-06	1.92E-04	1.446-73	5.73F~03
	3	1	29	28	3571.58		4192.88	2.3850	0.0359	2.515-02	8.28E-02	1.27F~01	1.46E-01	1.46F-01	1.38E-01
	5	3	-41		9400.82		4193.15	2.3848	0.0303	2.85F-03	1.55E-01	9.62E-01	2.56F 00	4.515 00	6.34E 00
	5	3	59	58	12677.69		4193.13	2.3846	0.0303	4.09E~05	1.07E-02	1.46E-01	6.21E-01	1.5CE 00	2.64F 00
	3	-1	75	74	12032.87		4193.57	2.3846	0.0303	0.0	8.68E~05	1.01E-03	3.92E-03	8.89F-03	1.49E-72
	3	_	104	103	21842.26		4193.72	2.3845	0.0303	0.0	1.16E-96	1.425-04	2.27F-03	1.325-02	4.34F-02
-	ਵੋ		42	41	9552.46		4193.82	2.3845	0.0303	2.36E-03	1.38F-01	8.89F-01	2 42F CO	~~	6.14F 00
	2	٥	8	7	102.91		4193.86	2.3844	0.0623	2.97F-01	1.86F-01	1.24E-01	8 65F-^2	6.24F-02	4.63F-02
	2	ž	i 2 ·	11	4509.11		4194.17	2.3843	0.0617	4.75F-01	2.47E 00	4.75E 00	6.25E 00	6.89F 00	6.93E 20
	5	3	58	57	12465-57		4194.17	2.3843	0.0303	5.42E-05	1.28F~02	1.665-01	6.86E-01	1.62F 00	2.81E 00
_	- <u>5</u> -	3	43	42	9707.73		4194.42	2.3841	0.0303	1.95E-03	1.22F-01	8.195-01	2.28E 00	4.13E 00	5.936 00
	3	1	30	29	3676.69		4194.50	2.3841	0.0340	2.24E-02	7.78F-02	1.225-01	1.425-01	1 • 45E-01	1.37E-01
_				56	12256.95		4194.73	2.3839	0.0303	7.16E-05	1.53E-02	1.88E-01	7.56E-01	1.75E 00	3.00F 00
	5 5	3	57 44	43	9866.59		4194.73	2.3838	0.0303	1.59E-03	1.08F-01	7.52F-01	2.14E 00	3.94F 00	5.72F 00
_				15	461.08		4195.11	2.3837	0.0597	2.81E C1	2.10E 01	1.53E 01	1.12F 01	8.4CF 00	6.40E 00
	3	1	74	73	11772-40		4195.20	2.3837	0.0303	0.0	1.09F-04	1.20E-03	4.47E-03	9.87E-03	1.63F-02
_	5	3	56	55	12051.84		4195.21	2.3837	0.0303	9.39E-05	1.825-02	2.13F-01	8.31E-01	1.895 00	3.19F 20
		_					4195.21	2.3836	0.0303	0.0	0.0	2.31F-05.	1 • 65E -04	5.64F-04	1.27F=03
	2	0	96	95	16294-18		4195.39	2.3836	0.0303	1.30E-03	9.53E-02	5.89F-01	2.018.00	3.76F 00	5.51F 00
	5	3	45	44	10029.06				0.0503	1.56E 00	2.54E 00	5.80E 00	2.72F 00	2.39F 00	2.05E 00
	<u>3</u>		2	3_	2166.13		4195.50	2 • 3835			2.15F-02	2.41E-C1	9.12F-01	2.03= 00	3.38E 00
	-	3	55	54	11850-23		4195.61	2.3834	0.0303	1 - 23F - 94 1 - 95E - 93	8.36E-02	6.29F~01	1.88E 00	3.57E 90	5.29F 00
_	. 5	3	_46	45	10195-12	11	4195.76	2.3834	0.0303	1.005-03	0.000-02	00230-01			

### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES

CARBON MONOXIDE

VU	٧L	JU	JL	LOWER State	CODE	WAVE	WAVE Length	HALF Width	******	** INTEGRATI	ED ** ABSORI CM*G		EFFICIENT *	*****
				ENERGY		CF-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	2	ee	87	18349.76	1	4195.87	2.3833	0.0303	0.0	4.99E-05	2.65E-03	2.565-02	1.06F-01	2.76E-01
5	3	54	53	11652.14	1	4195.94	2.3833	0.0303	1.59E-04	2.54E-02	2.71E-01	9.98E-01	2.18E 00	3.58E 00
3 5	- 1	31	30	3785.38	2	4196.05	2.3832	0.0335	1.99E-02	7.30E-02	1 • 1 8E-01	1.39E-01	1.43F-01	1 + 37F - 91
	_	47	46	10364.77	1	4196.05	2.3832	0.0303	8.47F-04	7.30E-02	5.725-01	1.75E 00	3.38E 00	5.08F 00
<del>5</del> -	<del>3</del> _	53 48	52 47	11457.59	<del>!</del>	4196.19	2.3831	0.0303	2.05E-04	2.99E-02	3.04F-01	1.09E 00	2.34E 00	3.78E 00
5	3	52	51	11266.57	1	4196.27	2.3831	0.0303	6.79F-04	6.35F-02	5+19E-01	1-63E 00	3.20E 00	4.86F 00
~5	3	49	48	10714.80	<u> </u>	4196.36	2.3830	0.0303	2.64E-04	3.50E-02	3.41E-01	1.19E 00	2,-50F 00	3.99E 00
5	3	51	50.	11079.09	Ţ	4196.40	2.3830	0.0303	5.40E-04	5.51E-02	4.695-01	. 1 . 51 E 00	3.02F 00	4.64E 00
5	—- <del>-</del>	50	49	10895.17	i	4196.47	2.3830	0.0303	3.375-04	4.09E-02	3.80E-01	1.29E 00	2.67F 00	4.21E 00
3	ĭ	73	72	11515.21	2	4196.76	2.3830 2.3828	0.0303	4.28F-04	4.76E-02	4.23E-01	1 - 40E 00	2.84F 00	4.42F 00
2	<del>- ;</del>	- 5	8	132.31	2	4196.94		0.0303	0.0	1.37F-04	1.41E-03	5.08E-03	1.09E-02	1.78F-02
4	2	13	12	4554+37	1		2.3827	0.0624	3.23F~01	2.05E-01	1.38E-01	9.62E-05	6.96F-02	5.18E-02
<del>- 3</del> -	1	32	<del>-12</del> -	3897.66		4197.02 4197.53	2.3826	0.0510	4.85E-01	2.58E 00	5.01E 00	6.63E 10	7.35E 00	7.41F 00
3		103		21476.80	1	4197.53		0.0331	1.76E-02	6.81F-02	1.13E-01	1.36F-01	1 -41E-01	1.36E-01
- 2		115		24143.93		4198.10	2.3821	0.0303	0.0	1.62E-06	1.82F-04	2.75E-03	1.54F-02	4.97E-0
3	ī	72	71	11261.30	ż	4198.10		0.0303	0.0	0.0	1.07E-05	2.385-04	1.73F-03	6.67E-0
_ <u></u>	<del>-</del>	95	94	15964.29	2	4198.46	2.3819	0.0303	1.30E-06	1.71E-04	1.66E-03	5.75E-03	1.21F-02	1.93E-0
4	2	87	86	18037.58	-	4198.81	2.3816	0.0303	0.0	0.0	2.88E-05	1 • 96E-04	6.495-04	1 • 43E-0
	<del>-</del> -	33	32	4013.51	2 2	4198.95	2.3815	0.0303		6-62E-05	3.26E-03	3.01E-02		3.08E-0
3	i	1	2	2154.70	1	4199•45	2.3813	0.0326	1.55F-02	6.33F-02	1.08E-01	1.32F-01	1.39E-01	1.35E-0:
- <del>š</del> -	<del>i</del>	71	70	11010.69	- <u>-</u>	4199.66	2.3811	0.0606	1.06E 00	1.79E 00	1.95E 00	1.83E 00	1.61F 00	1.38E 0
4	ż	14	13	4603.40	1	4199.81	2.3811	0.0303	1.825-06	2.13E-04	1.94E-03	6.51E-03	1.34E-02	2.10F-0
2	<del>-</del>	13	14	403.48	<del></del>	4199.92	2.3810	0.0604	4 • 89F-01	2.66E 00	5.24E 00	6.99E 00	7.77F 00	7.87E 0
2	ă	10	9	165.38	2	4199.96	2.3810	0.0624	2.87E 01	2.08F 01	1.50E 01	1.09E 01	8-11E 00	6.15E 0
	<u>i</u>	34	33	4132.93	2	4200.29	2.3808	0.0321 ~	3.44E-01 1.36E-02	2.22E-01	1.50E-01 1.03F-01		.7.66E-02	5.72F-0:
3	1	70	69	10763.38	2	4200.99	2.3804	0.0303	2.54E-06	2 • 65F = 04	2.27E-03	1.28E-01	1.36F~01	1+335-0
3-	1	35	34	4255.91		4201.56	2.3801	0.0317,	1.18E-02	5.40E-02	9.75E~02	7.35E-03 1.23F-01	1.47E-02	2.27E-0
2	ō	94	93	15637.47	2	4201.60	2.3800	0.0303	0.0	1.29F-06	3.57F-05		1.33E-01	1.31E-0
4	2	-86	85	17728.62	<del></del>	4201.67	2.3800	0.0303	0.0	8.75E-05	4.01E-03	2.33E-04	7.45E-04	1.60E-0.
3		102	_	21114.38	ī	4202-14	2.3797	0.0303	0.0	2.25F-06	2.32E-04	3.53E-02 3.33E-03	1.38E-01	3.44E-0
3	<u>-</u>	69	68	10519.39	~~2~~	4202.25	~~``'2`.3797`~	0.0303	3.54E-06	3.27E-04	2.65E-03		-1.81E-02	5.67E-0
4	2	15	14	4656.18	1	4202.52	2.3795	0.0597	4.89E-01	2.73E 00	5.43E 00	8.28E-03	1 • 6 2F - 0 2	2.46F-0:
-3-	1	36	35	4382.47	<u>-</u>	4202.76	2.3794	0.0312	1.02E-02	4.95E-02	9.22F-02	1.19E-01	8 • 1 7F 00	8.30E 0
2	0	11	10	202-12		4202.91	2.3793	0.0625	3.61E-01	2.37E-01	1.62E-01	1 • 1 9E - 01	1295-01	1 - 29E-0
2	0		113	23742.18	<del></del>	4203.27	2.3791	0.0303	0.0	0.0	1.41E-05	2.96F-04	8.33E-02 2.06E-03	6.23F-0: 7.75E-0:
3	1	0	1	2147.08	1	4203.33	2.3791	0.0603	5.4CE-01	9.04E-01	9.87E-01	9+25F~01		-
3	1	68	67	10278.73	2	4203.44	2.3790	0.0303	4.89F-06	4.03E-04	3.09F-03	9.30E-03	8.13E-01 1.78F-02	6.95E-0
3	1	37	36	4512.58	2	4203.90	2.3787	0.0308	8.72E-03	4.52E-02	8.69E~02	· 1 • 14E-01	1.26F-01	2.66F-0:
4	2	85	84	17422.89	<u>-</u>	4204.45	2.3784	0.0303	0.0	1.15E-04	4.90E-03	4 - 14F-02	1.57E-01	1.26E-0
3	1	67	66	10041.41	2	4204.55	2.3784	0.0303	6.74E-06	4.95E-04	3.585-03	1.04E-02	1.955-02	2.87F-0:
2	0	12	13	349.72	1	4204.66	2.3783	0.0610	2.89E 01	2.04E 01	1.45E 01	1.05E 01	7.77F 00	
2	0	93	52	15313.73		4204.66	2.3783	0.0303	0.0	1.73E-06	4.42E-05	2.75E-04	8.54E-04	5.87E 0
<b>‴3</b> ‴	1	38	37	4646.24	2	4204.96	2.3781	0.0303	7.44E-03	4.12E-02	8-16E-02	1.098-01	1.22E-01	1.24F-0
4	2	16	15	4712.73	1	4205.15	2.3780	0.0591	4 - 83E-01	2.77E/00	5.60E 00	7.59E 00	8.53E 00	8.70F 0
3	1	66	65	9807.43	2	4205.58	2.3778	0.0303	9.22F-06	6.06E-04	4.15E-03	1.175-02	2.14F-02	3.08E-0
2	0	12	11	242.53	2	4205.79	2.3777	0.0617	3.74E-01	2.50E-01	1.73F-01	1.23E-01	8.97F-02	6.73F=0:
3	1	- 39	38	4783.45	2	4205.95	2.3776	0.0303	6.31E-03	3.73E-02	7.64E-02	1.04E-01	1.18E-01	1.216-0
3	1	101		20755.00	1	4206.22	2.3774	0.0303	0.0	3.12F-06	2.96E-04	4.03E-03	2.11F-92	
3	1	65	64	9576.80	2	4206.55	2.3772	0.0303	1.26E-05	7.40E-04	4.78E-03	1.30E-02	2.33E-02	6.46E-0:
3	1	40	39	4924.21	2	4206.87	2.3771	0.0303	5.32E-03	3.36E-02	7.13E-02	9.94E-02	1.14E-01	1.18F-0
4	2	84	63	17120.41	<del></del>	4207.14	2.3769	0.0303	0.0	1.515-04	5.99F-03	4 - 84E-02	1.79E-01	4.27E-0
	_			- , <b></b> •	-			~	A		~ 0 7 7 F ~ V 3	マックサニー いど	* * * * * * * * * * * * * * * * * * *	4 2 2 2 2 2

VU	٧L	บน	JL,	LOVER	CUDE	WAVE	WAVE LENGTH	HALF	****	* INTEGRATI	EN ** ABSORI CM*G	PTION ** CO	FFEICIENT *	***
				ENERGY		C M-1	MICRON	Ha	T = 120^	T = 1522	T # PODC	T = 2511	T = 3000	T ~ 7570
2	0	92	91	14993.09	4	4207.64	2.3766	2.2323	0.0	2.31F-05	5.475-05	₹.05€-0 <u>4</u>	0.775-14	~ . ~   £ ^ ~
3	1	41	40	5068.50	2	4207.72	2.3766	2.0303	0.4FF-03	3.025-12	6,67#-02	0.445-17	1-175-11	1 . ] ^ # ^ 1
4	2	17	16	4773.C3	1	4207.72	2.3755	2.0585	4.7AF-01	2.705 21	5.770 00	ית קרם ל	0,06F 00	0.75 00
3	1	63	62	9125.64	2	4208.25	2.3763	0+0403	2.305-08	1.095-03	6.32=->3	1.615-72	2.775-12	3,815-09
2	0	113	112	23343.33	1	4208.34	2.3762	0.0303	7.0	2.0	1.8==-05	3.675-24	2.45F-13	7, ~ ~ ~ ~ ~ ~ ~
3	1	42	41	5216.33	2	4208.50	2.3751	0.0703	3.72F-03	2.705-02	6.155-00	8,945-72	1.055-31	1.11
5	ō	13	12	286.60	Z	4208-60	2.3761	0.0610	3.02F-01	2.61F-01	1.82F-01	1.776-01	น้ำขอน=วว	7,000.00
3	1	62	61	8905.12	2	4208.99	2.3759	0.0303	3.085-05	1.315-03	7.27=-03	1.705-32	3.075-02	5 ^p= ~p
3	1	43	42	5367.68	2	4209.21	2.3757	2.0303	3.085-07	2.616-02	5.425-02	9.44F-^2	1.01=-11	1.085-01
2	0	11	12	299.78	1	4279.33	2.3757	0.0617	2.855 (1	1.00= 11	1.40= 21	1.03E 01	7+300 00	F. SAF TO
3	1	€1	ec	8687.99	2	4229.66	2+3755	0.0303	0.118-05	1.5813	9.255-07	1.085-72	3.25E-12	4.755-72
4	2	83	.82	16821-19	1	4209.75	2.3754	2,0723	0.0	1.985-04	7. ፕሎሞ-ሰዓ	E. 655-02	2.035-11	4.700-01
3	1	44	43	5522.55	è	4209.85	2.3754	0.0303	2,545-03	2.14F-02	E.93F-12	7.968-02	Q.46F=02	1.045-01
4	2	18	17	4837.09	1	4210.21	2.3752	0.0558	4.605-01	2.80F 02	S.APF OC	8 04F 00	0.150 30	9,414 70
3	3	100	99	20398.68	ī	4214.22	2+3752	າ.ດແຕສ	0.0	4.32E-06	3.7AF-C4	4.945-03	2.465-72	<b>ツ、ミホド…っつ</b>
3	1	60	59	8474.25	ž	4210.25	2.3752	0.0303	5.455-25	1.895-03	9.306-03	2.185-72	3.525-12	4
3	1	45	44	5680.94	2	4210.41	2.3751	0.0323	2.085-03	1.89F-92	4.415-12	7.495-72	0.215-02	1.000.01
2	ò	91	90	14675.56	a	4210.54	2 • 3752	0.0303	0.0	3.075-06	6.765-05	3.82=-04	1.125-03	a.544a
3	1	59	58	8263.93	2	4210.77	2.3749	2.0303	7.225-05	2,265-03	1.076-02	2.41=-^2	7,075-72	4.905-22
3	1	1	0	2143.27	1	4210.88	2.3749	0.7623	5.49F-01	2.175-11	1.000 00	0.375-01	9.245-01	7 - ^ 5 1
3	1	46	45	5842.84	ž	4210.91	2,3748	0.0303	1.70F-07	1.678-12	4.400-02	7.01#-12	8.770-00	ባ ለጣሮ ^ ን
3	1	58	57	8057.61	×	4211.22	2.3746	0.0363	0.50=-05	2.70F-03	1.215-02	2.456-72	4-115-72	5.24572
3	1	47	46	6008.24	يے	4211.33	2.3745	2.0303	1.375-03	1.465-02	4.02#-02	6.555-02	8.775-72	0.276-02
2	0	14	13	334 * 34	2	4211.35	2.3745	2.0404	3.875-01	2.715-01	1.9]#-0]	1.377-1	1.015-03	7,455-12
3	1	57	56	7253.51	2	4211.50	2.3744	0.0303	1.240-04	3.215-23	1.37F-02	5.652-65	4.435-23	E, 505-00
3	1	48	47	6177.14	2	4211.68	2.3743	4.1303	1.115-03	1.285-42	3.660-02	5. 11E-17	7,900-12	4.895-05
3	1	56	55	7653.44	2	4211.89	2.3742	7.1303	1.620-04	3.796-33	1.550-02	え マヘニーへつ	4.745-32	K OTF 12
3	3	49	48	6349.53	2	4211.95	2.3742	0.0303	8.8PF-64	1.115-02	7.325-02	5.58F-37	7.455-03	0.505-02
3	1	55	54	7456.80	z.	4212.12	2.3741	0.0303	2.17F-04	4.47F-03	1.74=-02	4.40F-^2	5.11F-02	ベックのニーワク
3	1	50	49	6525.41	2	4212.17	2.3741	0.0303	7.08F-04	9.64F-13	<b>オ・ハウボーバッ</b>	5.275-12	フェウムビニウラ	9.125-02
3	Į	54	53	7263.61	2	4212.27	2.3747	0.0303	2.715-04	5.265-03	( • 0 FF = 0 9	3,815-02	5.475-12	K. 47F-02
4	2	65	81	16525.24	1	4212.28	2.3747	0.0303	0.0	2.58F-04	<b>ጸ₊</b> ¤ሉሮ≖ሮቹ	K . 575-09	2,300-01	5.24F-^1
3	1	51	5¢	6704.75	2	4212.30	2.3749	3.0 A D R	5.615-04	9.335-03	2.715-02	4 - 935-12	6.630-12	7.745-02
3	1	53	52	7073.87	2	4212.35	2.3740	0.1303	7.475-04	6.158-03	2-188-02	4.155-02	5.846-02	7.000-02
3	1	52	51	6887.58	.2	4212.35	2.3742	0.0303	4-42F-04	7.175-03	2 - 4 2 2	4.50F-03	K + 275 - 10	7.370-12
4	2	19	18	4904.90	J.	4212.63	2.7738	0.0992	4.436-^1	2.78F 30	5.80F 00	ersie oc	9.475 30	ባልንነም ጣለ
2	0	112	111	22947.38	1	4213.33	2.3734	5.0303	r.c	0.0	<b>₹・</b> 4つ# ~ ^ E	4,54F=^4	2.076-73	1.040-72
2	0	90	89	14361+15	2	4213.37	2.3734	0.1313	ስቃስ	4.075-06	3.205-6	4 4 4 9 5 = 14	1.276-03	2.515-03
2	0	10	11	253,68	1	4217.94	2.3731	n. h42#	2.94F 01	1.925 31	1 * 3 ak. v1	ባ ለበር ሳሳ	<b>ለ₊</b> ወልጠ ሰን	6.27F 00
2	٥	15	14	385,75	2	4214.03	2.3730	<b>ሳ</b> • ሶሚባን	ግ <b>.</b> ዓንሮ ተላ ነ	2.785-01	1.00===21	1.445-1	1.77F-71	B . ^ 1
3	1	59	98	20045.44	1	4214.13	2.3730	0.0303	**	5.065-04	4 - 76 - 44	r,9KE_^7	7.27F-17	P. 3KF 7
3	1	2	1	2147.08	1	4214.55	2.3727	9.0606	1.10F 00	1.P4F 77	₽•ሶ1∉ ሰሰ	1 . BUE	1 • 665 30	1.425 22
4	2	81	80	16232.57	1	4214.77	2.3726	0.0303	0.7	3,36F-04	1.075-02	ን.64ኖ^ን	2.50E-01	E. MORENO
4	2	20	19	4976.46	1	4214.99	2.3725	0.0535	4.235-01	2.75F 00	<b>5.</b> 025	P. 345 30	Ω _∗ €⊅⊏ ለለ	3 \$ 50E 50
2	ø	89	88	14049.67	2	4216-11	2.3719	0+0303	ሳቀባ	5.395-36	1.028-04	5.705-14	1,455-23	3.816-04
5	0	16	15	445.81	2	4215.54	2.3716	2.5501	7.845-71	3.636-01	2.00F-01	1.505-01	1.115-71	ባ <b>. ለ ላሮ ጎ</b> ፖ
4	2	60	79	15943.20	1	4217.10	2.3713	ብ•ሳ3ኆኝ	^.6	4.352-04	<b>ነ "</b> ሻርመተጎን	9.845-79	5.032-01	K.44F-41
4	2	21	20	5051.77	1	4217+25	2.3712	0.0515	4.015-01	2.700 99	<b>₹</b> •ወያቸ ^ታ	8 . 63" **	2.700 00	1.0PF 01
3	I	€ &	97	19695.29	1	4217.96	2.37^9	P. 0393	*.*	8.10[-06	K+018-04	7.2473	4 ° ′4 4 £ = 4 4	0.40P-03
3	1	3	2	2154.70	1	4218.15	2.3777	0.0509	1.64F 00	2.76F 93	3.72F CC	7.93C 00	5.40L 30	מת שדן.כ
2	0	111	110	22554.35	1	4218.23	2.3707	ሳ • ጎ ዓሳመ	4.4	^_^	3-176-00	5.600-04	ኝ•ሰ፡፡ ~ ^ኝ	1.015-02
2	0	S	10	211.42	ı	421P.48	2.3705	3.0524	2.76ሮ 01	1.056 31	1 + ምናሮ ጣ1	<b>የተ</b> ጀሪ⊏ ግቦ	6.40E 00	A . 445 70
2	0	88	87	13741.75	2	4219.79	2.3713	2.0303	0.40	7.125-25	1.255-04	A.27F-74	1.565-73	7.135

VU	٧L	IJĽ	ΊĽ	LOWER State	CODE	WAVF NUMR≅R	WAVF LENGTH	HALF Width	*****	** ÎNTEGRAT	FN ** ABSOP CM*G	PT104 ** ÇP  M-1	FF⊏ו <b>כוי</b> אז ∗	*****
				ENERGY		C M — 1	MICRON	H2	¥ = 100c	T = 1500	T = 2000	T = 2500	T = 3000	T = 35^^°
														-
2	0	17	16	499.54	2	4219.19	2.3701	0.4585	3.775-01	2.85F-01	2.105-01	1.556-01	1.165-01	P.84F-12
4	2	79	78	15657.13	1	4210.39	2.3700	0.0303	0.0	5.62F-04	1.57F-02	1 035-01	3.295-01	7.11=-11
4	S	22	21	5130.82	1	4219.45	2.3700	7.0496	3.77F-01	2.64E 11	5.99F 00	8 40F 00	9.93F 00	1 - C4F C1
2	0	87	86	13436.77	2	4 22 1 • 38	PRAE. S	0.0303	0.0	9.385-16	1.535-04	7.276-14	1.905-07	3.405-23
4	2	23	22	5213+61	1	4221.58	2.3688	0.0476	3.518-01	2.56F 00	5.84F 00	8.51F CO	1.00E 01	1.06E 01
4	2	78	77	15374.3H	1	4221.59	2.3688	0.0303	0.0	7.23F-14	1.885-02	1.185-01	3.705-01	7.845-01
2	0	18	17	561.92	2	4221.67	2.3687	ሰ•ሮ568	3.67F-01	2.86F-01	2.130-01	1.59F~^1	1.205-01	0.185-12
3	1	4	3	2166.13	1	4 221 - 68	2.3687	0.0511	2.175 00	3.66F 00	4 DE OC	7 77F 00	3.37 ^^	2 BEE VV
3	1	97	96	19348.24	1	4221.70	2.3697	0.0303	n.n	1 - 12F-05	7.58F-04	9.455-03	3.87F-^2	1.086-01
2	O	8	q	172.99	1	4222.94	2.3630	0.0524	2.63F 01	1.715 01	1.165 01	8.22F 00	5.085 11	4.47F 10
2	٥	11C	109	22164.27	1	4 22 7 . 24	2.3680	0.0303	2.0	0.5	4.13F-05	6.005-04	4.145-03	1.40=-02
4	2	24	23	5300.14	1	4223.64	2.3676	0.0457	3.26F-01	2.475 00	5.7FF OC	8.40F ^0	1.01F 01	1.075.01
4	2	77	76	15094.96	1	4223.71	2.3676	0.0303	1.11E-06	9.27E-04	2.265-02	1.365-01	4.155-01	
2	c	85	85	13134.97	2	4223.90	2.7675	0.0303	2.0	1.23E-05	1.975-00	2.576-74	2.145-73	P.62F-01 3.88F-03
2	0	19	18	627.95	2	4224.07	2.7574	0.0552	3.54F-01	2.850-01	2.16F-01	1.625-11	1.235-21	•
3	1	5	4	2181.37	1	4225.14	2.3668	0.0514	2.66F CC	4.54E 00	5.20F 00	4.71= 00	4.15= 20	9.405-12
3	1	96	95	19004.32	1	4225.36	2.3667	0.0303	1.1	1.535-05	9.545-04			3.56F 00
4	2	25	24	5390.41	i	4225.62	2.3655	7.0437	2.905-01	2.39F C0	5.65F CC	1.71F-^2 8.44F CO	4.49F-12	1.225-31
4	2	76	75	14815.69	1	4225.75	2.3664	2.1303	1.625-06	1.18=-23	2.705-02	1.57=-1	1.015 01	1.08F 01
2	0	85	84	12836.35	ے	4226.74	3.7651	0.0303	n_n	1.618-05	5.285-04	0.01=04	4.650-01	0.485-01
2	ò	20	10	697.65	2	4226.42	2.3661	0.0535	3.305-01	2.825-01	-		2.47F-77	4.31F-03
2	Ċ	7	8	138.40	1	4227.35	2.3655	0.0623	2.47F 01	1.585 01	2+17F-01	1 • 65F - 1	1 + 26F-01	9.765-92
4	2	26	25	5484.40	i	4227.53	2.3654	0.0418	2.770-01	2.27F CO	1.076 01	7.40F ^^	5.435 11	4.055 00
4	2	75	74	14546.17	1	4227.72	2.3653	0.2303	2.350-06	1.51F-03	5.525 00	8.36F 11	1.715 71	1.09F 01
2	ō	109	108	21777.14	1	4227.77	2.3653	0.0303	0 • 4	Ų•U 1+2TE=Δ3	3.22F-02	1.00=-01'	5 - 105 - 11	1.04F 00
3	1	6	5	2200.42	i	4222.53	2.3649	0.0517	3.13F 00	5•38# C0	5.325-05	8.40F-04	4.915-73	1.616-02
2	0	21	20	771.00	2	4222.69	2.3648	0.0515	3.13 01 3.22F-01		5.95E AA	5.62F 00	4.975 00	4.27F CC
5	ō	84	83	12540.93	2	4228.70	2.3648	2.0323	0.0	2.785-01	2-18F-01	1.676-01	1.205-71	1 - 205 - 21
3	1	95	94	18663.53	1	4222.93	2.3647	0.0303		2-100-05	2.765-04	1+155-23	2.75F-42	4.70F-03
4	2	27	26	5482.12	1	4220.36	2.3644	0.0308	0,7	2.09E-05	1.206-03	1.21#-02	G.105-12	1 . 371-01
4	2	74	73	14276.81	i	4229.00	2.3643	0.0303	2.495-01	2.166 00	5.37F 10	8.25F 00	1.015 01	1.00= 01
2	ē	22	21	847.59	2	4230.99	2.3636	0.0496	3.40.0-06	1.915-03	3.835-02	2.05F-01	6.70F-71	1 • 145 00
2	ō	83	88	12248.70	2	4230.99	2.3635	0.0303	3.00F-01	2.72F-01	2 • 1 7F = 1	1 • 685-01	1.316-71	1.025-01
4	5	28	27	5683.57	1	4231.12	2.3534		^.^	2.735-05	3.35F-04	1.305-03	3 - 1 05 - 03	F.30F-03
4	2	73	72	14010.82	1	4231.39	2.3633	0.0379	2.235-01	2.04F 00	5.20F 00	9.125 40	1.000 01	1.005 01
2	ō		7	107.65	1	4231.68	2.3631	7.0703	4 • RGF = 16	2.42F-13	4.556-02	2.355~01	6.45F-11	1.245 00
3	i	7	6	2223.23	1	4231.85	2.3630	7.0620	2.27F 01	1 • 43F 01	9.508 00	4.70F 00	4.895 00	3.61E VD
2			107	21392.93	1	4232.42		0.0520	3.5AE 11	6.18F 00	6.87F 00	6.525 00	5.77F 10	6 • ዓ7፫ <u>ዓ</u> ላ
3	1	94	93	18325.69	1	4232.42	2.3627	0.0303	2.0	r.r	6.9PF-05	1.045-03	5.815-^7	1.86F-^2
4	2	29	28	5788.74	1	4232.30	2.3627	0.0303	0.0	2.83F-05	1.505-03	1.445-02	5.00/-00.	1.555-01
2	ē	23	22	928-62	2	4233.03	2.3625	0.0359	2.00E-04	1.925 00	5.025 00	7 00 00	ט•טאר עי	1+095 01
4	ž	72	71	13748.23	1	4237.11	2.3624 2.3623	C • C 4 7 4	2.84F-01	2.65F-01	2.155-01	1.05-11	1.325-1	1.045-01
2	ō	62	61	11959.70	ź	4233.20		2.0303	ۥ00E-VE	3.05F-03	5.3PE-^2	2 • 68F <del>-</del> 1	7.175-11	1 • 385
4	5	30	59	5897.62	1	4230.42	2.3623	2.2303	0.0	3.53[-05	4,055-00	1.55-73	∄•ሤ^፫⊷ሳሜ	5.845-73
4	2	71	7 C	13489.02	1	4234.75	2.3616	0.0340	1.785-01	1.200 00	4.875 00	7.775 00	2.70E 00	1.045 01
3	1	e	7	2249.54			2.3614	0+0303	<b>0.</b> 03₽−¢6	2.03E-03	6.355-42	↑.^ <f-^1< td=""><td>7.055-11</td><td>1 486 34</td></f-^1<>	7.055-11	1 486 34
2	C	24	23	1012.90	1 2	4235.19 4235.19	2.3612	2.0623	3.045 00	4.93E A1	7.765 00	7.395 00	6.56F 42	הַּנְּבְּר רַרָּ
	Č				_		2.3512	0.0457	2.64F-01	2.565-01	2 • 1 75 - 6 1	1 . 60 - 1	1.37F-01	1 + ^55-71
2	1	61 53	92 92	11673.92	۷.	4275.33	2.3611	0.0303	^ • n	4.565-75	4.985-04	1 • 97 = - 73	3.04F-37	6.475-77
2	-			17991.41	i	4274.97	2.3679	0.0313	, e+1	3.83F-05	1.975-13	1.71 =- ^2	A.ROF-02	1.755-01
4	0	- F	6	80.74	'n	4234.94	2 • 3675	0.0617	2.035 01	1.27F 01	8.42F 00	ዓ.87F ^^	מי שדק.מ	3.14F 00
4	2	31 70	30	6010.21	1	4235.05	2.3607	0+0335	1 + 5 7 6 - 1	1.68F 00	4.545 00	7.595 11	ባ - ለፋጦ ግሳ	1.095 01
2			69	13233.23	1	4236.31	2.3605	0.0323	1.405-05	4.795-03	7.485-02	7.466-^1	8.800-1	1.615 00
Z	υ	107	106	21011.81	1	4236.99	2.3672 .	9.1313	^•^	^.^	9.17-15	1.205-13	A.97F-17	2.14F-17

٧U	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	** [NTFGRATI	FD ** AB\$DRI CM*G		ברבורובאו *÷	*****
				ENERGY		C~-1	MICPON	112	T = 1000	L = 1200	T = 2000	T = 25^C	T = 3000	T # 7500
2	c	25	24	1100-81	2	4237.10	2.3601	0.0437	2.44F-01	8+471-01	2.00F-01	1.685-01	1.745-01	1.065-01
2	0	08	79	11391.37	2	4237.39	2.3509	0.0303	0.0	5.87F-05	5.075-06	2.445-73	4.435-33	7.135-03
4	2	32	31	6126-50	1	4237.41	2. 7599	7.0331	1.385-01	1.566 10	4.43F 00	7.37F ^^	0.405 00	1 • ^7F
4	2	69	68	12980.85	1	4237.79	2.3507	0.2303	1.985-05	<. 08E-77	8.785-12	3.015-01	9.735-11	1.75F 00
3	1	9	e	2280.41	1	4230.27	2.3595	9.9524	4.265 00	7.61E 00	8.59F 00	0.31	7.72E 30	6,325,00
4	2	33	32	6246.50	1	4238.80	2.3592	0.0326	1.215-11	1.455 07	4.225 00	7.145 11	9.315 0	1+055 01
2	0	26	25	1192.36	2	4234.13	2.3590	0.7418	2.245-01	2.365-01	2.055-01	1 - 470-1	1.345-71	1.076-01
3	1	92	91	17660-10	1	4239.16	2 • 350C	0.0303	3.0	5.175-05	2.776-13	2.045-02	7.076-12	1.045-01
4	2	68	67	12731.90	1	4239.18	2.3589	^ • 03°3	2.775-05	7.43F-03	1.035-01	4 + 425 - 21	1.076 00	1.905 00
2	0	79	78	11112.08	2	4 2 3 C • 37	2.7589	0.0303	r.• v	7.57-15	7.015-04	る・30년= 23	4.07/-07	7,055-03
4	5	34	33	6370.20	1	4240.11	2.3584	0.2321	1.055-01	1.335 00	4.01F 00	6.00E 00	3.108.00	1.045 01
2	0	4	5	57.67	1	4240-13	2.3584	0.0614	1.76F A1	1.08F 01	7.17F CC	4.206 22	3,5PE 00	3 ቀ ፋፋሮ ሲስ
4	2	67	66	12486.39	1	4240.50	2.3582	0.0303	3.866-05	0.2^[-^3	1.205-01	4.086-41	1.190 00	3.055 00
2	c	27	26	1287.55	2	4240.89	2.3550	0.0398	2.045-01	2.250-01	2.215-11	1.655-01	1.346-1	1 . ^ PF - ^ 1
2	0	7.6	77	10836.05	٤	4241.28	2.3578	0.0303	r•1	7.635-75	A • 4 25 - 64	5.422-03	~ . ~ · · · · · · · · · · · · · · · · ·	c * ¥3c-43
4	2	35	34	6497.59	1	4241.35	2.3577	2.0317	\$.06E-72	1.226 00	3.70F 00	6.45E 00	0.00E V.	1.025 01
3	1	10	9	2314.69	1	4 24 1 • 37	2.3577	0.7684	4.54F C^	8.24F 00	9.37F 10	9.01F CO	ο•ኅዳ⊏ ላ∩	f. GEF 10
2	0	106	105	20633.65	1	4241.45	2.3577	0.03^3	0.0	1.275-06	1 • 17F - ^ 4	1.565-13	0.100-73	2,465-02
4	2	66	65	12244.32	1	4241.74	2.3575	0.0303	5.345-75	1.135-02	1 • 4 ^ 5 - ^ 1	5.575-11	1.305 00	יים שפפיר
3	1	<b>91</b>	90	17331.98	1	4242.42	2.3572	0.0303	0.0	<b>ታ</b> • በኝ፫≖ሶና	2.405-07	2.41E-02	O.11F-02	2.51E-^1
4	2	36	35	6628.66	1	4242.52	2.3571	0.0312	7.775-02	1.12F 00	3.57F C^	F. 79F 77	R. ATE 00	1.005 01
2	0	2€	27	1386.36	2	4242.68	2.7570	0.0370	1.845-01	2.144-01	1.006-01	1.636-11	1.346-71	1 + 085-01
4	2	65	64	12005.71	1	4242.90	2.3560	0.0303	7.366-05	1.795-00	1.525-71	( * 50E-01	1.425 70	ኔ•∃0Ε ሶር
2	¢	77	76	10563.28	2	4243.11	2.3568	0.5303	1.308-06	1.27F-04	1.015-03	3.166-73	ひ・コンピーフェ	0.475-13
4	2	37	36	6763.42	1	4243.60	2.3565	0.0328	6.62F-^2	1.125 01	∄*⊒ዩ፫ ሶሳ	A,11F ^^	ጸቁማበር ነሳ	ס⁴ הגב ענ
4	2	64	63	11770.57	1	4243.98	2.3563	3.0303	1.015-04	1.716-02	1.986-01	7 . ^? [ 1	1.555 00	2 ニフピ へへ
2	0	3	4	38.45	1	4244.25	2.3561	0.0611	1.465 61	9.P7F ^A	5.95F ^^	4.0EF 00	5.01E 00	J. 125 UV
3	1	11	10	2352.76	1	4244.40	2.356^	<b>?.</b> ^625	4.75F 00	4.70F JO	1.015 01	0.755 00	R.74F ^^	7.505 10
2	0	29	28	1488.80	2	4244.4C	2.3560	*• ^359	1.665-01	2 • ^2F - ^ 1	1.885-01	1 • < ^ < - ^ 1	1.456-01	1.00=-01
4	2	38	37	6901.85	1	4244.61	2.3550	0.0303	5.615-02	0.105-01	3.14F ^C	⊏ የቀየድ ኃላ	8.105 00	0.61E ^^
2	0	76	75	10293.79	2	4244.87	2 • 3558	0.93n3	1.976-06	1.565-04	1.205-03	7.625-63	4.04E=33	1.045-75
4	2	63	62	11538.91	1	4 24 4 • 98	2.3557	0.0303	).38F-^4	<b>ら</b> *し3E−しっ	2.17F-^1	7.94E-^	1.705 00	2.77F CC
4	2	39	36	7043.96	1	4245.55	2.3554	ሳ•ሳ፤ሳ3	4.725-00	8.295-01	5*03E 00	F. 54# 11	7.R2F 20	C. 36F 00
3	1	90	89	17007.07	1	4245.56	2.3554	2.0303	C • O	0.30F-25	7.50F-^?	? ASC-^?	1.045-01	2 4 7 〒 ~ 1
2	0	105	1 C 4	20258.53	1	4245.84	2.3552	ひ・しょこえ	3.3	1.705-06	1.505-04	1 • 01 L - 🗸 д	9.545-73	<b>5 • ĕ∃E √ 5</b>
4	2	62	61	11310.73	i	4245.90	2.3552	0.0303	1.976-04	2.535-↑2	5.4 ct - v 1	8.74F-01	1.055 00	5.07F 7¢
2	0	30	53	1 594 . 85	2	4246.06	2.3551	0.0340	1.485-01	1.89F-01	1.815-01	1.56F-31	1.375-11	1 • 675-1
4	2	4 Ç	39	7189.73	1	4246.11	2.3549	0.0303	3.955-02	7.445-01	2.725 00	5.225 11	7.536 00	ብ•1ሳሮ ግሳ
2	0	75	74	10027.60	2	4246.55	2.7540	0.0303	S.ede-ce	1.97F-04	1.42F-03	4 · 13 = - 07	7.735-63 (	1 • 1 3F - 12
4	2	é i	60	11086.05	1	4246.74	2.3547	0.0303	2.52E-04	3.475-02	2.965-01	9.71F-^1	3*∪1⊨ ∪.	<b>יר</b> 19€ א
4	2	41	40	7339.16	1	4 24 7 • 20	2.3545	2.0393	3.505-05	6.65E-01	2.528 00	E * 00E 00	7.235 00	dobat vv
3	1	12	11	2394.64	1	4247.36	2.3544	0.0617	4.01= 00	0.27F 00	1.078 01	1.005 01	ዓ.41ም ጎግ	d.lot Ju
4	2	60	59	10864.87	1	4247.50	2.3543	0.0303	3.3AF-04	3.70F-02	3.27F-01	1.195 01	3.18E U.	P.ACE CC
2	0	31	30	1704.53	2	4247.64	2.3542	<b>3.</b> 0335	1.31F-^1	1.775-01	1.705-01	1.53F-^1	1.205-01	1 • ሰንኖ—ግየ
4	2	42	41	7492.24	1	4247.92	2.3541	0.0303	2.72F-02	5.02F-^1	2.33F 00	4.725 11	e'ose Ju	מ. בבד ייי
2	0	74	73	9764.71	2	4249.15	2.3540	0.0303	3.855-05	2.48F-34	1.685-03	4.71E-03	な。ほうだ~りて	1.205-72
4	2	59	58	19647-20	1	4248.19	2.3539	9.0303	4.525-04	4.465-02	3.74[-01	1.105 00	2•37# 10	3.63F 00
2	0	2	3	23.67	1	4247.31	2.3539	0.0609	1.125 01	5.79F 00	4.46F OF	<b>よきいがに いい</b>	2.21F 7~	1 • 6 3 6 00
4	2	43	42	7648.97	1	424P.54	2.3538	0,0303	2.245-05	5.258-01	2.15F 00	4.44E 00	6.62F ^^	9.26F 0A
3	1	89	88	16685.38	1	4248.53	2.3537	0.0303	0.0	1.258-04	4°.458-63	₹.34F-^2	1.5326-01	2.785-01
4	2	58	57	10433.05	1	4248.79	2.3536	0.9303	A.C1E-04	5.36F-02	4.27F-01	1.325 00	2.575 ^0	3.88E ጎሶ
4	2	44	43	7809.34	1	4249.09	2.3534	0.0303	1.835-12	4.535-01	1.075 00	4 . 1 7F ባባ	ሉ∙∃ያE ሳሳ	7-975 00
2	0	32	31	1817.62	ے	4249.16	2.3534	4.0331	1 • 1 66 = 0 1	1.656-01	1.675-01	1.495-01	1.275-01	1.065-01

VU	VL	JU	JL	LCWCK STATE	くいりた	アこくいよう Mマクト	WAV# *LENGTH	HALF WIDTH	*******	** INTEGRATS	ФОРНА ** О= ОМ/О	ማግር ** ርግ	FFFICISNY *	****
	t			ENFEGY		CK-1	AICAUN	113	T = 1000	T = 1500	T = 2000	T = 25^^	T = 3000	T = 3500
4	2	67	56	10222.44	1	4 44 9 . 32	2.3533	0.1313	7.965-04	6.415-03	4.865-01	1.465 60	2.78F 30	4.145 00
4	2	45	44	7973.35	1	4240.57	2.3532	0.0303	1.495-02	4.075-01	1.800 00	7.975 (7	5.010 00	7.660 00
2	0	73	72	9505.12	۵	4240.08	2.2531	0.0303	5.495-06	3 12F-04	1.30F-A3	5.765-03	0.50-07	1.355-12
4	5	56	55	10015.37	1	4240.77	2.3511	0.0303	1.05F-03	7.64F-02	5.515-21	1.605 00	3,000 00	4.405 00
4	2	46	45	8140.98	1	4249,09	2.3530	0.0303	1.205-02	3.570-01	1.545 00	3.65E 00	5.705 30	7.36F 00
2			103	19886.39	ì	4250.14	2.3529	2.0303	0.0	2.515-25	1.936-04	2.335-03	1.125-12	3.245-02
4	2	45	- 4	9/11-84	1	4251.11	2.3579	0.0303	1.378-03	9.276-02	6.276-01	1.76F 00	7.275 ^^	4.675 00
3	1	13	12	2447.32	1	4257.25	2.3529	0.0613	5.015 22	9.666 00	1.135 01	1.11F "1	1.005 01	P. 76F 00
4	2	47	46	8312.24	1	4 2 <b>5 ^ .</b> 3 ስ	2.3528	0 • C 3 ^ 3	9.665-23	3.11,5-11	1.405 00	7.40F 00	5.405 30	7.055 00
4	2	54	53	9611.66	1	4250.43	2.7527	\$.n3n3	1.785-03	1.075-01	7.025-01	1.93F 00	3.47F 00	4.95F CO
4	2	40	47	8487.11	1	4259.55	2 • 3586	0.0303	7.72F-03	2.715-21	1.35F 00	7.16E 00	5.17F 00	5.74F 00
2	0	33	32	1934.72	2	4250.50	2.7526	0.0326	1.025-01	1.54F-01	1.500-01	1.445-1	1.24F-01	1.055-01
4	2	53	52	9415.45	1	4250.64	2.3526	6.0203	2.315-03	1 - 26F-01	7.905-01	2.10= 10	3.72F ^^	5.24F AC
4	2	40	48	8665.59	1	4 25 0 . 73	2.3525	0.0303	6.13F-03	2.34F-^1	1.225 00	2.035 10	4.815 00	F. 44E 00
4	5	₹2	F 1	9222.61	1	4250.73	2.3525	5•53€3	2.975-03	1.4RF-71	8.846-01	5.50E Ju	7.985 10	F. ERF 00
4	5	50	40	8947.68	ì	4250.42	2.3525	0.0303	4.845-03	5.05E-01	1.10F 00	2.71F 00	4.535 00	6.13F CC
4	2	51	5 C	9033.35	1	4250.84	2.3525	0.0KJ3	<b>≒*8v⊑−03</b>	1.73F-01	9.87F-01	2.425 00	4.255 00	5. ድጓሮ ለለ
2	0	72	71	9248.86	2	4 25 1 • 1 3	2.3923	6.0303	7,775-06	3.91F-04	2.34F-03	6.78F-^3	1.066-02	1.475-12
3	1	9.9	87	16366.91	1	4251.62	2.3524	0.0303	V * G	1.66F-04	5.500-13	3.90F-^2	1.37F-11	3-116-01
2	0	34	33	2055.22	2	4251.99	2.3318	1.6321	P.30F-C2	1.425-01	1.516-71	1.435-11	1.225-11	1.035-01
2	0	_1	2	11.54	1	4252.37	2 • 3517	C+3636	7.64F 00	4+67F 07	3.01F 00	2 . 1 PF 11,	, 1.49F 37	1.10F 00
2	0	71	70	8995.93	2	4252.51	2.3515	2.0303	1.795-05	4.085-04	2.75E-03	5.89E-13	1.175-02	1.60=-02
3	1	14	13	2489.60	1	4253.97	2.3512	0.0504	5•ባ6ሮ ዕሳ	5*a8k ûû	1 • 1 8년 - 21	1.17E 1	1.75= ^1	<b>υ•≟∘= √</b> ሶ
2	0	35	34	2179.32	2	4257.29	2.3511	9.7317	7.715-02	1.31F-01	1.445-01	1.35F-^1	1.105-41	1.025-01
2	0	70	69	8746.33	2	425 (+91	2.3308	0.0303	J•ፍጓ⊱-ሳፍ	6.07E-04	3.22F-03	7.795-13	1.205-02	1.735-02
2		103		19517.34	1	4254.36	2.3505	0.0303	3.0	3.525-96	2.48F-C4	2.835-23	1 • 325 - 73	3.715-02
2 3	0	26 87	35 66	2307.02	2	4254.52	2.3504	0.0312	A.K4T-72	1.20F-01	1.36F-01	1.305-01	1.16F-^1	1.005-01
2	0		-	16051.09	1	4254.53	2 - 3574	0.0303	2.0	2.21F-74	5.785-03	<b>∀・ユンニー∪</b> ☆	1.5711	<i>፣ ቆለ ፀቻ ታ</i> ^ 1
2	0	69	ሉይ ካፋ	8500.09	2	4255.04	2+3502	0.0303	2.14E-05	7.52F-04	3.765-03	9.78E-03	1.42=-12	1⋅₽₽೯-^>
3	ì	37 15	36 14	2438.31 2543.08	2	4255.59	2.3409	0.0308	5.50F-C2	1.09F-01	1.286-01	1.255-1	1 • 1 3=-^ 1	0.83E-5
2	0	68	67	8257.20	1	4255.31	2.3497	२.↑597	5.058 00	1.02F ^1	1.535 01	1.225 01	1.125 11	9.91E 17/1
2	ő	0	1		2	4256.20	2.3495	0.0303	2.975-05	9.295-04	4.38F-03	9 • 88F = 43	1.545-02	2.035-02
5	Ö	3.6	37	3.85 2573.18	1 2	4256.77 4256.77	2.3475	?•C5∩3	3.885 00	2.33F 00	1.525 00	1.155 00	7.51F-01	5.555-11
2	Č	67	66	8917.69	2	4257.29	2.3492	0.0303	4.85F-12	0.03F-0S	1.506-61	1.195-01	1.095-01	0.525-02
3	1	86	35	15739.73	1	4257.36	2.3489	0.0303	4.105-05	1.145-03	5 • 0 ¢ € → 0 3	1.115-72	1.715-02	2.10F-12
ž	ò	39	36	2711.64	2	4257.80	7.7490	3.03.3	2.7	2.93F-04	8.345-03	5.536-70	1.795-11	7.895-01
2	ŏ	66	65	7781.55	2	4258.28	2.3494 2.3494	0.0303	4 • 1 1F - 02	9.005-02	1 -1 25-21	1 - 14E=01	1.065-01	o•30E-√\$
3	1	16	15	2600.15	1	4258.49	2.3483	0.0303	5.635-^5	1.405-03	5.905-03	1.245-12	1-875-02	\$ • 36F-45
2	_	-	101	19151.35	1	4250.49	2.3483	^*\^3\3 ^*\\$\1	4.985 00	1.70F 01	1.275 01	1.275 1	1.16F 01	1.03F 01
2	ō	40	39	2353.67		4258.75	2.3481	0.0303	0.0	4.925-06	3-175-04	3.44E-13	1.54F-22	4.245-02
2	Ö	65	64	7548.79	2	4259.21	2.3479	0.0303	3.46F-02 7.69F-05	8-105-02	1 - 0 5F - 0 1	1 • 085-01	1.025-01	0.155-05
2	ő	41	40	2999.27	2	4259.43	2.3476	0.0303		1.715-03	6.82E-03	1.395-02	2,455-02	2.54F-02
2	Ö	€4	63	7319.43	2	4250.07	2.3474	0.0303	2.89F-02 1.75F-04	7.27F-02	9.725-02	1.035-01	9.81E-02	8.80=02
3	1	85	24	15431.03	1.	4260.10	2.3474	2.0303	0.0	3.405-03	7.965-03	1.55F-A2	2.24F-02	2.72F-02
2	ò	42	41	3148.44	٠.	4260.44	2.3472	0.0303	2.41F-02	3.97F-04 6.5^F-^2	1.02E-02	5.49E-02	2.045-01	4.34F-01
5	ō	63	62	7093.47	ž	4 26 0 • 95	2.3470	0.0303	1.415-04			9.73F-92	0.425-12	P+62F-12
3	1	17	16	2661.01	1	4261.08	2.3468	0.0585	4.88E 00	2.53F-03 1.05F 01	9.00=-03	1.725-02	2.435-02	2.925-02
2	ò	43	42	3301.17	2	4261-18	2.3469	0.0755	1.99F=02	1.05F 01 5.78F-02	1.205 11	1.31F 01	1.215 01	1.075 01
2	ō	62	61	687C.93	2	4261.56	2.3466	0.0303	1.900-94	3.06F=03	8.31F-^2 1.24F-^2	9.195-02	0.125-12	9.35F-^2
2	ō	44	43	3457.45	۷.	4 26 1 + 85	2.3464	0.0303	1.545-02	5-135-02	7.655-02	1.01E-02	2.546-12	7.135-02
2	ō	61	60	6651.60	2	4262.20	2.3462	0.0303	2.54F-04	3.695-03	1.1 PF - 12	8.655-02 2.125-12	8.42F-02 2.87F-02	P. C65-02
2	ō	45	44	3617.23	2	4262.45	2.3461	0.0303	1.34F-02	4.53F-02	7.02F-02	8.12E-02	9.77F-12	7.775-12 7.775-12
					_				* * * * * * * * * * * * * * * * * * *	+ <b>1</b> Jul = 17 J			-3 + F = 3 - 3	/ • / / ( '/

VU	٧L	JU	JĻ	LOWER STATE	CODE	WAVE NUMBER	WAVF LENGTH	HALF WIOTH	****	* INTEGPAT	サンドゥス ** (1=   ** (1=		EEEICIENT *	****
				ENERGY		CM-1	MICRUN	Ha	T = 1000	T = 1500	T = 2101	T = 25°0	T = ዓላሳሶ	L = 3200
2	0	101	100	18788.44	1	4252.54	2.3460	9.0403	0.0	4.85F-06	4.05=-04	4.165-03	t +815-72	4.845-02
2	ō	60	59	6436.11	ے	4262.76	2.3459	U , 77,77	3.37F-04	4.425-33	1.355-02	5 * 34E ~ JS	3 <b>.</b> ! ^⊏-12	7,565-02
3	1	84	83	15125.61	1	4262.77	2.3459	0.0303	2.0	5.10F-04	1.254-75	7.615-02	2・3つビー3!	4.846-01
2	ė	46	45	3780.65	2	4262.98	2.3458	0.0303	1.095-02	3.985-02	5.425-02	7.615-02	7.9°F-72	7•48≓→^2
2	ŏ	59	58	6223.85	2	4263.25	2.3456	1.0313	4.49F-04	5.30E-03	1.548-72	5°=0E-∪5	3.345-00	マ 見のに二つつ
2	ō	47	46	3947.55	2	4263.43	2.3455	2.0303	8.91F-03	3.49F-02	5.865-02	7.105-02	7.400=10	7.125-12
3	1	18	17	2725.67	1	4263.61	2.3454	1,4568	4.745 00	1.050 01	1.32F ^1	1.34F 01	1.541 01	1.11F 01
5	ć	58	57	6015.03	2	4263.66	2.3454	0.0303	5.93E-04	5.33F-03	1.750-02	2 .'B5F -^2	3.675-02	4.055-02
2	0	48	47	4117.99	2	4263.81	2.3453	1.2303	7.085-03	3.04E-12	5.325-02	C • 62E = 02	7.175-17	ብ• ^{ጻጻ} Ε~ባ2
2	ŏ	1	-0	-0.C	1	4267.33	2.3453	2.0503	3.95F 00	2.365 00	1.54F RC	1.065 00	7.61F-01	5.625-01
2	ő	57	56	5809.67	2	4264 - 11	2.3452	0.0303	7.795-04	7.53F-03	1.98F-C2	₹•135-12	3.915-02	4.305-02
2	Ö	49	48	4291.95	2	4264.12	2.3452	2.0323	5.67F-03	2.655-02	4.83F-02	6.155-02	6.64F-72	4.58E-12
2	Ö	56	55	5607.77	2	4 26 4 . 27	2.3451	0.0303	1.025-03	9.935-03	2.235-02	3.44F-72	4.016-00	4.575-12
2	Ö	50	49	4469.43	2	4254.36	2.3450	1.0323	4.51F-03	2.29F-12	4.36F-02	5.70=-02	6.265-12	V • 38E-75
2	0	55	54	5409.33	2	4254.47	2 3457	0.0303	1.325-03	1.055-02	2.51F-92	3.765-02	4.525-12	4.845-02
2	Č	51	50	4650.41	2	4254.53	2.3447	2.0303	3.565-03	1.985-02	3.935-02	5.276-02	<b>~.</b> ,30F-12	e•auL-u5
2	0	54	53	5214.37	2	4254.59	2.3449	0.0303	1.715-03	1.246-02	2.82F-02	4.116-12	4.955-22	5.115-02
2	ě	52	51	4834.91	2	4264.62	2.3440	0.0303	2.908-03	1.70F-92	3.57F-02	4 .875-12	5.578-12	5.69F-^2
	0	53	52	5022.89	2	4264.64	2.3449	0.0303	2.19E-07	1.46F-02	3.16F-02	4.4BF=02	5.195-02	5.405-02
2 3	1	63	55	14823.48	1	4265.35	2 3445	2.0303	0.0	6-695-04	1.535-02	8.88F-^2	2.64F-01	5.786-01
3	1	19	18	2794.11	1	4266.17	2.3441	0.0352	4.56F 22	1-245 01	1 375 01	1.775 01	1 . 2AE 21	1 - 155 01
	0	100	99	18428 62	1	4266.50	2.3438	0.0373	2.0	0.505-05	5.1 FF-04	5.035-03	2.115-02	*.51E-02
2	C	100	1	3.85	i	4267 54	2.3437	2.2616	7.005 00	4.74F 00	3.10F 00	2.13F 00	1.535 00	1.135 00
2		82	81	14524.67	i	4267.94	2.3431	2.0303	1.385-06	9.745-04	1.865-02	1.045-01	2,305-01	5.07E-01
3	1	20	19	2866.33	1	426ª 45	2.3428	0.0535	4.35F CO	1.030 01	1.34F C1	1.705 01	1.315 71	1.185 11
	_		80	14229+17	1	4270.26	2.3418	0.0303	2.075-06	1 - 1 45 - 7 3	2.26=-02	1.21F-01	3.38F-01	6.625-01
3	1	81 55	98	18071.92	1	4270.39	2 3417	2.2323	0.0	1.315-05	5.545-04	6.075-03	2.4AF-02	4.27F-^2
2	0		20	2942.34	1	4270.76	2.3415	2.2515	4.125 00	1.015 01	1.34F 01	1 - 415 01	1.34F 01	1.21F ^1
3	1	21	20	11.54	ī	4271.17	2.3413	0.0609	1.13F 01	7.10F 00	4.655 00	3.21E 00	2.30= 30	1.70F 00
2	0	3		13937.00	-	4272.60	2.3125	1.0303	3.095-06	1.485-03	2.745-02	1,405-01	3,825-01	7.735-01
3	1	50	79		1 1	4272.99	2.3403	0.0496	3.875 00	0.86F 00	1.375 01	1.415 01	1.356 ^1	1.235 01
3	1	22	21	3022-13	-	4274.18	2.3396	j (303	0.0	1.915-05	8.205-04	7.315-13	2.875-12	7-136-12
2	0	58	97	17718.34	1	4274 74	2.3797	1.0611	1.565 01	9.425 03	5-10F 00	4.28= ^^	3,075 00	2.27F 10
, 2	0	- 4	3	23.07	1		2.3393	0.0303	4.57F-06	1.025-03	3.30=-02	1.42=-01	4.300-01	9.10F-01
` 3	1	79	78	13648.17	•	4274.95	2.3193	0.0476	3.60F C1	0.56F 00	1.325 11	1.425 11	1.37F 01	1.255 01
3	1	23	22	3105-69	1	4275.16 4277.72	2.3391	2.0303	6.80==04	2.475-03	3.085-02	1.885-1	4.945-01	0.945-01
3	1	78	77	13362-69	1	4277.24	2.3380	C.C457	3.375 00	2.23E U.	1.30E 01	1.415 01	1 385 01	1.275 11
3	1	24	23	3193.03		4277.89	2.3376	0.0303	C.A	2.495-05	1 055-03	8.795-03	₹ <b>3</b> 3F = ↑2	9.00F-02
2	0	97	96	17367.91	1	4278.23	2.3774	2.0514	1.925 61	1-17F 01	7.70F 00	5.74F CO	3.945 11	7.84F C^
2	0	5	4	38.45			2.3369	2.0303	1.006-05	1.195-03	4.78=-^2	2.1AF-11	5.44F-21	0.845-01
3	1	77	76	13080.58	1	4279-11		0.04037	3.000 00	9.95F 00	1.275 01	1.41F 1	1.385 21	1.285 01
3	1	25	24	3284.13	1	4279.26	2.3369	2.0303	1.47F-05	4.075-03	5.735-02	2.475-11	6.205-21	1.09E 00
3	1	76	75	12801.85	1	4281.12	2.335ª		2.70= 00	9.455 00	1.245 01	1.395 11	1 395 21	1.CPE 11
3	1	26	25	3379.00	1	4281.23	2.3358	0.0412	-	3.41F=^5	1 325-03	1.056-03	4 R4F-77	0.175-02
2	0	96	95	17020.62		4281.52	2.3354	0.0303	0.0	1.38F (1	0.175 00	6.37F 00	4 500 30	7.415 00
2	0	6	5	57.67	1	4291-65	2.3355	7.1617	2.25F (1 2.14F-25	5.20F-03	6.85E-02	2.965-01	6.925-01	1.19F 00
3	1	75	74	12526.50	)	4283.05	2.3348	3.0303		3.035.00	1.215 01	1.775 1	1.37# ^1	1.20F C1
3	1	27	26	3477.63	1	4293.07	2.7348	0.0398	2.535 01	7.495 07	1.175 01	1.355 01	1.366 01	1.295 11
3	1	5.6	27	3580.03	1	4274.86	2.333A	0.0379	2+28F ^^		8.16F=^2	2.08=-01 1.00	7+615-01	1.30E 00
3	1	74	73	12254+55	1	4294.89	2.3339	7.7303	3.105-05	6.41F-03		7,705 00	5 37F ^^	7.065 00
2	0	7	6	80,74	1	4295.00	2.3337	0.0620	2.56F 11	1.505 01	1.059 01	1.745-12	4.445-12	1.045-01
2	0	95	94	16676.52		4295.06	2+337	2.0303	^ ^ C	4.66F-05	1 655-07		1.30 71	1.285 01
3	1	29	28	3686.17		4296.59	2.3320	0.0350	2.07F CC	7.145 07	1.175 11	1.725 ^1	9.405-21	1.075 00
3	1	73	72	11986.02	1	4286.66	2.3328	0.0303	4.445-05	स•्यक्र=० व	9.705-02	(* /2/-)	15 * CE . III	• ** -

VU	۷L	JU	JL	LOWER State	CUDE	WAVE NUMBER	WAVE LENGTH	HALF #10TH	*****	** INTFGRATI	ED ** ABSORF CM*6		EFFICIENT *	****
				FNERGY		CM-1	WICHUN	Н2	T = 1000	T = 1500	L = 5000	T = 2500	T = 3000	T = 3500
											- •			•
3	1	30	29	3796.07	1	4288.23	2.3320	1.0340	1.815 00	6.685.00	1.025.01	1.295 11	1.378 01	1.285 01
2	0	8	7	107.65	1	4288.28	2.3319	0.0623	2.830 01	1.785 01	1.20E 01	8.375 00	6 + 0 6 F A 0	4.515 00
3	1	72	71	11720.90	i	4288.34	2.3319	0.0303	6.405-05	1.06E-02	1 155-01	4.28F-01	0.445-01	1.56F 00
2	0	94	93	16335.59	1	4288.52	2.3318	0.0303	0.0	6.35F-45	2.085-07	1.515-02	5.175-12	J-17F-01
3	1	31	30	3909.71	1	4289.83	2.3311	2.235	1.50F 00	6.23F A2	1.04F 01	1.26= 11	1.315 91	1.27F 01
3	1	71	70	11459.21	1	4289.95	2.3310	0.0303	9.146-05	1.336-72	1.365-01	4.87E-01	1.055 00	705 00
3	1	32	31	4027.69	1	4291.30	2.3313	9.0331	1.400 00	5.795 00	9.94F 00	1.22F 01	1.20- 01	1.266 01
3	1	7 C	65	11200.97	1	4291.47	2.3302	2.0323	1.30E-04	1.67F-02	1.608-01	5.545-01	1.16F 00	1.856 00
2	0	9	8	138.40	1	4291.49	2.3302	0.0524	3.06F C1	1.966 01	1 32E 01	9.30F 00	6 765 00	5 ሰላም ሳር
s	0	63	92	15997.65	1	4201.99	2.3300	9.03^3	2.0	8.615-05	2.61E-03	1.80F-02	5.975-02	1.325-01
3	1	33	32	4148.21	1	4292.78	2.3295	0.0326	1.22F 00	5.755 11	9.46F 00	1 - 185 - 01	1.265 01	1.24F 01
3	1	69	68	10946.18	1 "	4292.92	2.3294	0.03/3	1.83F-04	?•79F-02	1.88F-01	6.27F-11	1.285 00	2.01F 00
3	1	34	33	4273.Co	1	4294.25	2.3288	0.0321	1.0AF 00	4.936 22	B. GRE OF	1.14= 1	1.245 01	1.225 01
3	1	68	67	10694.55	1	4294.28	9.3287	9.0303	2.57F-04	2.606-02	2.21E-01	7.10F-01	1.425 00	2.18F 00
2	c	10	9	172.59	1	4294.67	2.3295	0.0624	3.26F 01	2.12F 01	1 445 01	1.025 01	7 475 00	5.565 00
2	¢	92	91	15663.33	1	4295.18	2.3282	2.2303	7.0	1 • 16F-24	3.20F-07	2.14F-^2	5 83F-12	1.495-01
3	j	35	34	4401.64	1	4295.34	2.3281	0.0317	9.14F-01	4.52F 22	8.48F 00	1.10= 01	1.275 71	1.205 01
3	1	67	66	10446.99	1	4295.57	2.3280	0.0303	3.60E-04	3-23F-12	2.58F-01	9.01F-01	1.565 00	2.36F 00
3	1	36	35	4533.94	1	4296.53	2.3275	0.0312	7.82F-01	4.12F 00	7.905 00	1.06F 01	1.17" 01	1.185 01
3	1	$\epsilon\epsilon$	65	10202.62	1	4296.77	2.3273	0.0303	5.006-00	3-995-02	3.01E-01	0.016-01	1.72F 00	2.565 00
3	ì	37	36	4669.95	1	4297.55	5 • 3568	9.6398	6.66F-01	3.745 00	7.508 00	1.015 01	1 135 01	1.16F C1
7	0	11	10	211.42	1	4297.70	2.3268	9.9625	3.41F 21	3.26F 01	1.55F ^1	1 • 10F 01	8 085 00	6.06F 00
3	1	65	64	9961.74	1	4 297 • 97	2.3267	0.0303	6.910-04	4.92F-02	3.505-01	1.01F 00	1.89F 00	2.76E CC
2	0	91	90	15332.04	1	4 298 . 39	2.3265	0.^3^3	0.0	1.575-04	4.05E-03	2.54F-02	7.91F-02	1.67=-01
3	1	38	37	4809.63	1	4298.70	2.3263	0.0303	5 •63E-01	3.385 00	7.01E CC	0.655 00	1.1CF 01	1+13F 01
3	1	€4	63	9724.36	1	4298.04	2.3262	2.0323	9.500-04	6.03E-02	4.06F-01	1.13E 00	2.075 20	2.97F 00
3	1	39	38	4953.12	ł	4299.67	2.3258	0.0303	4.73[-1]	3.05F 00	6 535 00	9-186 00	1 065 01	1-10F 01
3	1	63	62	9490.49	)	4299.91	2.3256	0.0303	1.305-03	7.38F-02	4.500-01	1.27F CO	2.245 04	3,200 00
3	1	40	39	5100.25	1	4300.57	2.7253	^•0303	3.956-01	2.735 01	6.07F CO	8.71F 00	1.02F 01	1.075 01
2	0	12	. 11	253.68	1	4300.69	2.3252	0.0517	3.52F 01	2.385 01	1.65F C1	1 -185 01	8.60F 10	6.54F 00
3	1	62	61	9260.14	1	4300.80	2.3252	2.0303	1.775-03	9.08F-02	5.41F-01	3 - 41 F CO	2.465 00	3.43F CC
3	1	41	40	5251.03	1	4 30 1 + 38	2.3248	0.0303	3.2FF-01	2.445 00	5.62F 00	8.24F CO	9.78F 30	1.04F 11
2	0	90	69	15003.58	1	4301.52	2.3248	0.0303	n.n	2.11F-04	5.03F-07	3.^1F-^2	0.115-12	1.09E=01
3	1	61	60	9033.32	1	4301.60	2.3247	0.0303	2.395-03	1.09F-21	6.22F-01	1.57F CO	2 685 00	3.6RE CO
3	1	42	41	5405.60	1	4302-13	2.3244	<b>3.93</b> €3	2.715-01	2.175 00	5-18E 00	7 . 78E CC	ባ 36ሮ ጎጎ	1.00F 01
3	1	60	59	8810.C4	1	4302.33	2.3243	0.0303	3.226-03	1.325-01	7-136-01	1.74F 00	2.915 20	3. DAT OO
3	1	43	42	5563.60	1	4302.79	2.3241	0.0307	2.22F-01	1.92F 00	4.775 00	7.325 00	8.04E 00	O. ARE NO
3	1	59	58	8590.31	1	4302.98	2.3240	2.0303	4.32F-03	1.59E-01	8.166-01	1.94# 00	3.16F 00	A.21F 00
3	1	44	43	5725•68	1	4303.38	2.3238	ე.ივევ	1.82F-01	1.69F 00	4.37F 00	6.86E 00	8.525 00	ባለ ጓደዩ ዕ
. 3	1	5.8	57	8374.14	1	4303.55	2.3237	0.0303	5.76F-03	1.91F-01	9+325-01	2.145 33	ገ ልገር ጎሳ	4.505 10
5	0	13	12	299.78	1	4303.62	9£8£•2	J.0510	3+59€ 01	2.48F 01	1 . 74F 01	1.265 01	9.245 44	6. nor no
3	1	45	44	5891.22	1	4303.90	2.3235	0.0303	1.47F-C1	1.495 00	3.00F 00	6.425 00	8-105 00	8.97F ^0
3	1	57	56	8161.53	1	4304.35	2.3234	0.0303	7.650-03	2+295-01	1.065 00	2.37F 00	3.715 00	4.800 00
3	1	46	45	6060.43	1	4304.34	2.3232	0.0303	1.195-01	1.300 00	3.64F OF	5.99F 00	7.695 00	8.61E 10
3	I	56	55	7952.49	1	4304.45	2.3232	0.0303	1.01F-02	2.746-01	1.215 00	2.61E 00	4.01= 20	5-116 00
2	0	29	88	14679.17	1	4304.56	2.3231	0.0303	n.c	2.93F-~4	6.256-03	7.565-12	1 . 24 - 21	2.115-01
3	1	47	46	6233.30	1	4304.70	2.7230	0.0303	9.525-02	1.13F 00	3.3CF 00	5.58F 00	7,275 00	8.245 20
3	1	55	54	7747.04	1	4304.90	2.3230	0.0303	1.320-02	3.265-21	1.3AF 00	2.975 02	4.325 30	5.47E 10
3	1	48	47	6409.82	1	4314.98	2.3229	0.0303	7.50F-02	9.83F-01	2.99F 0^	ማ.19ዙ ባባ	6.87F 11	7,885 10
3	1	54	53	7545.17	1	4305.06	2.3228	0.0803	1.736-02	3.86F-01	1.54F 00	3.140 00	4 4444 30	F.76F 00
3	1	45	48	6589.98	1	4305.19	5 • 3 558	0.0303	6.01F-02	A.49F-^1	2.700 00	A. OOF OR	6.475 33	7,510 10
3	1	53	52	7346.91	1	4305.24	2.3229	0.0303	5.24F-05	4.556-01	1.775 77	3.045 00	4.00= 00	6.10E 00
3	1	50	49	6773.78	1	4305.32	2.3227	ኯ•ባፕሮኝ	4.74F-02	7.316-01	2.475 00	4.435 00	6.30F 35	7.150 00

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE WAVE	WAVE LENGTH	HALF	****	** INTEGRATI	FD ** ABSOP		TEFICIENT *	***
				FNERGY		C h - 1	MICRUA	Ho	T = 1000	T = 1500	T = 2000	T = ኃቫርር	T = 3101	T = 750¢
3	1	52	51	7152.25	1	4374.34	2.3227	0.0303	2.89F-02	5.356-01	1.945 00	3.475፫ ጎጎ	5.34E ^^	6.44E 00
3	1	51	50	6961.20	1	4375.37	2.7227	2.0303	3.715-02	4.275-11	2.175 00	4,085 00	5.7°F ^^	6.79F ^^
2	0	14	13	349.72	1	4306.47	2.3221	0.0504	3.525 ^]	2.57F 1	1.82F C1	1.32F 01	ብ ዳን <u></u> ሞ ሳሳ	7.42F 00
2	Q	66	87	14357.63	1	4397.52	2.3215	0.0303	C. ~ ~	3.70F-^A	7.755-03	4.21F~^2	1.2^5-01	5. 37F-01
2	٥	15	14	403.48	1	4309.25	2.3206	^.0597	₹•61F 01	2.63F 01	1.80F ^1	1.38F ^1	1.03E 01	7,83F CC
S	0	87	86	14039.36	1	4310.40	2.3200	0.0303	1.005-05	ちゃっちにーっゅ	0,576-^3	4 + 93F-12	1.375-01	2.655-01
2	0	16	15	461.08	1	4311.95	2.7191	2.0501	3.57F 1	2.675 01	1.056 01	1 • 435 01	1 1 77 71	6.50L 00
2	0	86	85	13724.39	1	4313.19	2.3185	0.0303	1 - 55F-04	5.72F-04	1.185-02	5.845-22	1 575-31	2.975-01
2	0	17	16	522.50	1	4314.59	2.3177	0.0385	3.495 01	2.600 01	1.00= 01	1.48C ^1	1.12F 01	P.55F ^^
2	0	85	84	13412.71	1	4315.97	2.3170	0.0303	2.30F-06	8.90F-04	1.450-02	6 • dat - CS	1 + 70 - 01	3.32F-01
S	0	18	17	587.75	1	4317.15	2.3163	£*5243	3.305 01	2+69F 91	2.12F 01	1.52F 01	1.155 71	8.ዶ6፫ ጎባ
2	0	24	63	13104.36	1	4318.53	2.3156	9.0303	3.565-26	1.175-03	1.785-02	9.39F-12	2.145-01	3.70F-01
s	¢	19	18	656.82	1	4319.64	2.3157	0.0552	3.25F ^1	2.67E 01	2.04F 01	1.55E ^]	1.105 71	0.155 00
2	0	63	82	12799.33	1	4321.08	2.3142	0.0303	5.57F-0£	1.550-03	2.1FF-02	9.465-02	2.32F-01	4 • 12F-21
2	0	20	19	729.71	1	4322.06	2.3137	0.0535	3.10F C1	2.64E 01	2.0FF 1	1.57E C1	1.215 01	9.495 00
2	0	82	81	12497.64	1	4323.54	2.3129	3.7303	8.44F-CA	<b>ひ・ぐぶにー</b> ひせ、	2.655-^2	1.116-01	2.53F~1	4.586-01
2	0	21	20	806.42	1	4324.40	2.3125	0.0315	2.93⊑ ^1	2.59F 01	2.055 01	1.50F ^1	1.275 1	ሳ• ተንፎ ሰቦ
2	0	<b>e</b> 1	0.8	12199.31	1	4325.93	2.3116	0.0303	1.27F-05	2 • 458-03	3.335-02	1.29F-01	2.98F-31	5.09F-01
2	0	22	Źl	886.95	1	4326.67	2.3112	2.0496	2.75E 01	2.52F 11	2.34F 01	1.50F 03	1.25F 01	a•81£ J¢
2	e	80	79	11904.34	1	4328.23	2.3104	0.0303	1.916-05	3.455-63	3+925-02	1.508-01	3.37F-01	5.63F-01
2	0	23	22	971.28	1	432P•º7	2.3171	0.0475	2.56F C1	2.455 01	2.025 01	1.60F 11	1.26E 11	0.055 00
2	0	79	78	11612.75	1	4330.45	200E+S	ሶ•ሳ <b>ን</b> ሶፕ	2.95F-75	4.485-23	4.745-02	1.745-01	マ <b>・</b> ヨヘデーツi	6.235-01
2	0	24	23	1059.42	ı	4330.00	2.3089	0.2457	2.370 01	2.368 01	1.005 01	1.60F 01	1.275 1	1.010 01
2	0	78	77	11324.54	1	4332.59	2.3081	0.0303	4.536-02	5.795-03	5.72f-^2	2.01F-01	A.295+11	5.88F-01
2	0	25	24	1151.37	1	4333.04	2.3078	0.0437	2.175 01	2.265 61	1.9FF 01	1.50F A1	1.275/31	1.02F 01
2	0	77	76	11039.74	1	4334.64	2.3070	0.0303	6.25F-05	7.46F-03	6.39F-02	2.330-11	4 • 9 1/ ⁻ - 7 1	7.59F-^1
2	0	26	25	1247.11	1	4335.02	2.3053	0.0419	1.075 61	2.16F 01	1.000 01	1.57/ 01	1.27E 01	1-025 01
2	O	76	75	10758.35	1	4336.62	2.3759	^•0303	0.10F-05	9.585-03	8.275-02	2.585-11	5 • 4 7F = 71	9-35F-01
2	0	27	26	1 346 66	1	4336.92	2.3058	0.0398	1.70F C1	2.15F 01	1.856 71	1.55F 01	1.265 01	1.02F 01
2	0	75	74	1048C.37	1	4338.51	2.3049	1.03/3	1.346-74	1.235-02	9.905-02	10-360.5	6+250-21	0.175-01
2	0	28	27	1449.99	1	4338.75	2.7049	0.4379	1.615 01	1.03F 01	1.705 01	1.52F 01	1.25F 01	1.025 01
2	0	74	73	10205.84	1	4340.33	2.3040	2.0323	1.956-04	1.560-12	1.18F-11	3.540-01	6.76F-01	1.01F OC
2	0	29	28	1557+12	1	4340.50	2.3039	1.0359	1 .44F C1	1.82F 01	1.73F 01	1.40F 01	1.245 01	1.02F 01
2	0	73	72	9934.75	1	4342.96	2.3031	0.0303	2.R3F-04	1.00F-12	1.416-01	4.06E-01	7.555-11	1.105 00
2	0	30	29	1668.03	1	4342.18	2.3030	0.0340	1.275 01	1.705 01	1.66F 01	1 - 45# "1	1.22F 01	1.01F 01
2	0	72	71	9667.11	1	4343.71	2.3022	2.0303	4.77F-C4	2.525-02	1.675-01	4+64F-01	9,405-01	1.215 00
2	0	31	30	1782.72	1	4343.79	2.3021	1.0335	1.12F ^1	1.58F 01	1.505 01	1.42F C1	1.216 01	1.01E 01
2	o	71	70	9492.94	1	4345.28	2.3013	0.0303	5.875-04	3.186-02	1.986-01	5.296-^1	ο.346→71	1.32F 10
2	0	32	31	1901.19	1	4345.32	2.3013	0.0331	<b>ዓ.</b> ያፋሮ ሳሳ	1.470 01	1.526 01	1.39F C1	1.180 01	G. GRE AR
2	0	33	32	2023.43	1	4346.77	12.3716	0.0326	8.50F A	1.36F C1	1.44F C1	1.33F 01	1.165 01	9.865 00
а	0	70	69	9142.25	1	4346.78	2.3006	0.0303	8.31F-04	3.995-02	2.346-01	6.016-01	1.24F 00	1.43F 00
2	0	34	33	2149.44	1	4348.15	2.2998	0.0321	7.43F 00	1.25F 01	1.370 01	1.295 11	1.13F 01	9.71F 00
2	0	69	68	8885.04	1	4348.19	5.299¤	0.0303	1.18F-03	5.108-12	2.7FF-01	6.820-01	1-155 00	1.56F 00
2	0	35	34	2279.20	1	4349.46	2.2991	2.0317	6.396 00	1.14F ^1	1.20F C1	1.24F 01	1.10= 01	0.556 00
2	0	68	67	8631.33	1	4349.52	2.2991	2.0303	1.66E-23	6.24F-02	3 23F-01	7.72F-01	1.27F 00	1.695 00
2	0	36	35	2412.73	1	4350.60	2.2985	0.0312	5.47F 00	1.04F 01	1.225 01	1.195 71	1 -075 01	P.36F 00
2	o	67	66	8381.13	1	4350.77	2.2984	0.0373	2.376-77	7.765-02	3.70F-01	P. 73E-01	1.475 00	1.845 00
2	ō	37	36	2550.C1	1	4351.85	2.2979	0.0308	4.64F CO	9.45F 00	1.145 01	1.135 01	1.70F 21	0.16E 00
z	ō	66	65	8134.45	ī	4351.94	2.2978	0.0303	3.24F-03	9.615-02	4.42F-01	9.836-01	1.548 22	1.995 ^^
5	ŏ	38	37	2691.03	ì	4352.93	2.2973	0.0303	3.02F 00	8.54F 22	1.06F CT	1.08# 01	1.00F 01	P. 04E ቦቦ
2	ŏ	€5	64	7891.29	i	4353.03	2.2973	0.2303	4.50F-03	1.195-01	5.1°E-^1	1.11F no	1 500 00	2.15F 00
2	c	39	38	2835.80	i	4353.93	2.2958	0.0303	3.200.00	7.685 00	9.915.70	1.235 01	0.60# 10	8.70F CC
2	ŏ	64	63	7651-67	i	4354.24	2.2967	2.0303	6.215-03	1.46E-21	5.986-01	245 77	1 95# 00	2.325 00
_	~	~			•	700-17-				14-50-71		• u-7:	A Property of the Control of the Con	

٧u	٧L	'nυ	JL	LCWFR STATE	CODE	WAVF NUMPER	WAVE LENGTH	HALF WIDTH	****	** INTEGRAT	** ARSORI CM*6'		FEEICICNT *:	******
				ENFRGY		C M-1	MICRON	нş	r = 1000	T = 1500	T = 2100	T = 3500	T = 3177	T = 3500
	٠													
2	0	40	39	2984.30	1	4354.86	2.2963	0.0303	2.745 00	6.87E 00	9.200 00	0.755 00	2.315 00	P.46E 00
s	0	63	62	7415.60	1	4354.98	2,2962	9.0303	8.516-03	1.797-01	6.925-01	1*43E UU	2.03F 10	2.49F PA
2	0	41	40	3136.53	1	435571	2.2958	0.0303	2,275 00	6.13F 00	8.51F 00	0.22F 00	8.945 00	8.50E UC
2	0	62	61	7183.C8	1	4355.83	2.2958	2.1313	1.165-02	2.1AF-01	7.90=-1	1.555 00	2.215 00	5.69E 00
2	0	42	41	3292.48	1	4356.40	2.2954	0.1303	1.87F 00	5.445 00	7.94F 0	8.69= 20	ይ ማናሮ ሳሳ	2.03= vb
2	0	61	60	6954.12	i	4356.61	2.2954	7.4303	1.585-^>	2.65F-01	9 SUE-U1	1.735 00	2.415 00	2. ABE 00
5	0	43	42	3452.15	1	4357.19	2.2951	0.0303	1.53F CC	4.91E CO	7.21F 00	8.17E 00	3 16F CO	7.655 00
2	o	60	59	6728.75	1	4357.30	2.2750	0.3303	2-13F-02	3.215-01	1.265 00	1.025 00	2.63F 00	7. "RF 00
2	0	44	43	3615.54	1	4357.21	2.2947	7.0303	1.25F 00	4.24F 10	6.505.00	7.66F 00	7.77F 11	7.375 10
2	٥	59	58	6596.95	-	4357.92	2.2947	9.0303	2.36E-02	3.895-01	1.21E CC	2.135 00	2.855 00	3.30E 00
S	٥	45	44	3782.,62	1	4350.36	2.2944	0.0303	1.01E 00	3.725 00	6.02F 00	7.150 00	7.39F 00	7.085 00
2	Ō	58	57	6288.75	1	4358.46	2.2944	0.0303	3.836-02	4.68E-01	1.385 00	2.36= 10	3-176 00	3.57F 00
2	0	46	45	3953.41	1	435A.93	2.2942	0.0303	P+13E-01	3.25F 00	5.49F 00	6.68E 00	7,005,00	6+79F 30
2	o	57	56	6574.14	1	4359.02	2.2941	0.0303	5.1CF-C2	5-625-11	1.50E CC	2.61E 00	3 35F 00	7.765 00
2	0	47	46	4127.89	1	4359.23	2.2940	0.0303	6.51F-01	2.925 22	4.97E CC	5.21F 10	6.52F 11	5.50F 00
2	0	56	55	5863.14	1	4359.30	2.2939	0.0303	6.745-02	6.725-01	1.80E 00	2.89F 00	3.63F 00	4.01E 00
2	0	48	47	4306.05	1	4359.54	2.2938	0.0303	5-18F-01	2.456 00	4.495 00	5.75F 00	6.25F 07	6.21F 00
2	0	55	54	5655.77	1	4359.50	2.2938	2.0303	3.975-02	8.015-01	2.27 20	3.17F 00	3.01= 00	4.26F 00
2	0	45	48	4487.69	1	4359.78	2.2937	0.0303	4.09F-01	2.11F 00	4.05F 0C	5.336 70	5 895 00	5.92F 00
2	0	54	53	5452.01	1	4359.93	2.2937	0.0303	1.165-21	9.516-01	2.30F 00	3.48F 11	4 - 21F - 22	4.525 10
2	¢	50	49	4673.40	1	4359.95	2.2936	0.0303	3.225-01	1.816 00	3.645 00	4.92F 00	5 535 00	5.63E 00
2	0	53	52	5251.89	1	4359.97	2.2936	0.0303	1.51E-01	1.125 00	2.505 00	3.81F 00	4.525 00	4.79= 00
2	Ó	51	50	4862.58	1	4360.03	2.2936	9+1303	2.525-01	1.555 00	3.26E 00	4.53F 00	5.1PF 00	5.35F 00
2	0	52	51	5055.41	1	4360.04	2.2936	0.0303	1.96=-01	1.325 20	3.91F 00	4 - 16E - 20	4.845 00	5.075 00

Table 9—Second overtone band of CO,  $T=1000-3500\,^{\circ}K$ . The total number of lines included is 4571. For temperatures less than 3500 $^{\circ}K$ , the line intensities were set equal to zero for intensities less than approximately  $4\times10^{-8}$ . The line intensities correspond to a mass absorption coefficient.

VÜ	٧L	Jυ	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENC,TH	HALF Width	******	** INTEGRATE	ED ** ABSORF CM*GN		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
17	14	<b>S 2</b>	93	41818.97	1	4520.36	2.2122	0.0303	0.0	0.0	0.0	0.0	5.30E-07	6.89E-06
16	13	57	98	41685.60	1	4530.37	2.2073	E0E0.0	0.0	0.0	0.0	0.0	4.70E-07	6.07E-06
17	14	91	92	41526.67	1	4532.69	2.2062	0.0203	0.0	0.0	0.0	0.0	6.02E-07	7.68E-06
16	13	<b>S</b> 6	97	41376.48	1	4543.15	2.2011	0.0303	0.0	0.0	0.0	0.0	5.40E-07	6.82E-06
17	14	50	91	41237.09	1	4544.92	2.2003	0.0303	0.0	0.0	0.0	0.0	6.848-07	8.555-06
15	12	101	102	41301.83	1	4551.27	2.1972	E0E0.0	0.0	0.0	0.0	0.0	4.57E-07	5.74E-06
16	13	55	96	41070.04	1	4555.91	2.1950	0.0303	0.0	0.0	0.0	0.0	6.18E-07	7.65E-06
17	14	89	90	40950.24	1	4557.07	2.1944	0.0303	0.0	0.0	0.0	0.0	7.75E-07	9.51E-06
15	12	100	101	40978.54	1	4564.48	2.1908	E050.0	C • O	0.0	0.0	0.0	5.28E-07	6.50E-06
16	13	94	95	40766.30	1	4568.55	2.1889	0.0303	0.0	0.0	0.0	0.0	7.07E-07	8.57E-06
17	14	66	89	40666.15	1	4569.12	2.1886	0.0303	0.0	0.0	0.0	0.0	8.82E-07	1.06E-05
14	11	105	106	40963.32	1	4570.64	2,1879	0.0303	0.0	0.0	0.0	0.0	4.26E-07	5.236-06
15	12	99	106	46657.92	1	4577.60	2.1846	0.0303	C.O	0.0	0.0	0.0	6.106-07	7.34E-06
16	13	93	94	40465.28	ı	4581.09	2.1829	0.0303	0.0	0.0	0.0	0.0	8.08E-07	9.60E-06
17	14	67	88	4C3E4.82	1	4581.09	2.1829	E0E0.0	0.0	0.0	0.0	0.0	1.00E-06	1.18E-05
14	11	104	105	40625.84	1	4584.24	2.1814	0.0303	0.0	0.0	0.0	0.0	4.96E-07	5.96E-06
13	10	109	11¢	40670.70	1	4588.50	2.1794	E050.0	0.0	0.0	0.0	0.0	3.795-07	4.57E-06
15	12	98	99	40339.98	ı	4590.63	2.1764	0.0303	0.0	0.0	0.0	0.0	7.03E-07	8.28E-06
17	14	86	87	40106.27	1	4592.96	2.1772	0.0303	0.0	0.0	0.0	0.0	1.14E-06	1.32E-05
16	13	52	93	40167.00	1	4593.55	2.1770	E050.0	C+0	0.0	0.0	0.0	9.22E-07	1.07E-05
14	11	103	104	40250.99	1	4597.76	2.1750	E0E0.0	0.0	0.0	0.0	0.0	5.77E-07	6.77E-06
13	10	108	109	40319.00	1	4602.49	2.1727	0.0303	0.0	0.0	0.0	0.0	4.45E-07	5.24E-06
15	12	97	98	40024.73	1	4603.57	2.1722	0.0303	0.0	0.0	0.0	0.0	8.106-07	9.336-06
17	14	85	86	39830.51	1	4604.74	2.1717	E0E0.0	0.0	0.0	0.0	0.0	1.295-06	1.465-05
16	13	91	92	39871.45	1	4605.91	2.1711	0.0303	0.0	0.0	0.0	0.0	1.05E-06	1.208-05
14	11	102	103	39950.80	1	4611.18	2.1686	E0E0.0	0.0	0.0	0.0	0.0	6.71E-07	7.69E-06
13	10	107	108	39969.90	1	4616.40	2.1662	0.0303	0.0 .	0.0	0.0	0.0	5.22E-07	6.00E-06
15	12	96	97	39712.19	1	4616.42	2.1662	0.0303	0.0	0.0	0.0	0.0	9.31E-07	1.05E-05
17	14	84	85	39557.56	1	4616.43	2.1662	0.0303	0.0	0.0	0.0	4.54E-08	1.45E-06	1.62E-05
16	13	50	91	39578.67	1	4618.18	2.1654	0.0303	C.O	0.0	0.0	0.0	1.19E-06	1.34E-05
12	9	112	113	40058.61	1	4619.24	2.1649	0.0303	0.0	0.0	0.0	0.0	3.81E-07	4.40E-06
14	11	101	102	39629.28	1	4624.52	2.1624	E050.0	C.O	0.0	0.0	0.0	7.78E-07	8.73E-06
17	14	83	84	39287.42	1	4628.03	2.1607	0.0303	0.0	0.0	0.0	5.26E-08	1.64E-06	1.805-05
15	12	9 5	96	35402.37	1	4629.19	2.1602	E0E0.0	0.0	0.0	0.0	0.0	1.07E-06	1.188-05
13	10	106	107	39623.43	1	4630.22	2.1597	0.0303	0.0	0.0	0.0	0.0	6.11E-07	6.85E-06
16	13	εs	90	39288.66	1	4630.37	2.1597	E0E0.0	0.0	0.0	0.0	4.35E-08	1.36E-06	1.49E-05
12	9	111	112	39695.24	1	4633.53	2.1582	0.0303	0.0	0.0	0.0	0.0	4.50E-07	5.07E-06
1.4	11	100	101	39302.44	1	4637.77	2.1562	E0E0.0	G • O	0.0	0.0	0.0	9.C1E-07	9.89E-06
17	14	82	83	39020.11	1	4639.54	2.1554	0.0303	0.0	0.0	0.0	6.08E-08	1.85E-06	1.99E-05
15	12	54	95	39095.29	1	4641.86	2.1543	E0E0.0	0.0	0.0	0.0	0.0	1.225-06	1.33E-05
16	13	8.8	89	39001.43	1	4642.4€	2.1540	0.0303	0.0	0.0	0.0	5.09E-08	1.556-06	1.66E-05
13	10	105	106	39279.59	1	4643.95	2.1533	E0E0.0	0.0	0.0	0.0	0.0	7.14E-07	7.83F-06
12	9	110	111	39334.46	1	4647.74	2.1516	E0E0.0	0.0	0.0	0.0	0.0	5.31E-07	5.84E-06
11	8	115	116	39467.57	1	4649.16	2.1509	0.0303	0.0	0.0	0.0	0 - 0	3.68E-07	4.09E-06
14	11	99	100	36578.30	1	4650.93	2.1501	E0E0.0	0.0	0.0	0.0	0.0	1 • C4E-06	1.12E-05
17	14	81	82	38765.64	1 -	4650.95	2.1501	E0E0.0	0.0	0.0	0.0	7.02E-08	2.086-06	2.20E-05
15	12	93	94	38790.96	1	4654.44	2.1485	E050.0	0.0	0.0	0.0	4.71E-08	1.40E-06	1.49E-05
16	13	€7	38	38717.00	1	4654.46	2.1485	E0E0.0	0.0	0.0	0.0	5.95E-08	1.76E-06	1.856-05
13	-	104		38938.42	1	4657.59	2.1470	E0E0.0	C • O	0.0	0.0	0.0	8.34E-07	8.93E-06
12	9	109		38976.29	1	4661.86	2.1451	0.0303	0.0	0.0	0.0	0.0	6.25E-07	6.71E-06
17	14	80	13	38494.02	1	4662.27	2.1449	E0E0.0	0.0	0.0	0.0	8.09E-08	2.346-06	2.43E-05
11		114		39092.48	1	4663.76	2.1442	0.0303	0.0	0.0	0.0	0.0	4.37E-07	4.73E-06
14	11	98	99	36656.87	1	4664.00	2.1441	E0E0.0	0.0	0.0	0.0	4.10E-08	1.20E-06	1.26E-05

νu	٧L	JU	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRATE	CP*GI		EFFICIENT *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
16	13	86	87	38435.39	1	4666.37	2.1430	0.0303	0.0	0.0	0.0	6.94E-08	2.00E-06	2.07E-05
15	12	92	93	38489.41	1	4666.93	2.1427	E0E0.0	0.0	0.0	0.0	5.54E-08	1.60E-06	1.66E-05
13	1 C	103	104	36599.92	1	4671.14	2.1408	E0E0.0	0.0	0.0	0.0	0.0	9.726-07	1.02E-05
17	14	75	0.8	38235.27	1	4673.5C	2.1397	E0E0.0	0.0	0.0	0.0	9.31E-08	2.63E-06	2.68E-05
12	9		109	38620.75	1	4675.89	2.1386	0.0303	0.0	0.0	0.0	0.0	7.35E-07	7.71E-06
14	11	57	98	36336.18	1	4676.98	2.1381	E050.0	0.0	0.0	0.0	4.87E-08	1.39E-06	1.43E-05
16	13	85	86	38156.60	1	4678.19	2.1376	0.0303	0.0	0.0	0.0	8.09E-08	2.27E-06	2.30E-05
11		113		38719.96	1	4678.26	2.1375	E0E0.0	G • O	0.0	0.0	0.0	5 • 1 9E-07	5.48E-06
10	7		119	38898.02	1	4678.28	2.1375	E0E0.0	0.0	0.0	0.0	0.0	3.56E-07	3.81E-06
15	12	<b>S</b> 1	92.	38190.62	1	4679.34	2.1371	0.0303	0.0	0.0	0.0	6.50E-08	1.83E-06	1.86E-05
13		102		38264.10	1	4684.60	2.1347	E050.0	C.O	0.0	0.0	0.0	1.13E-06	1.16E-05
17	14	78	79	37979.39	1	4684.64	2.1346	0.0303	0.0	0.0	0.0	1.07E-07	2.94E-06	2.95E-05
12	9	107	108	38267.86	ī	4689.83	2.1323	EOE0.0	0.0	0.0	0.0	0.0 5.78E-08	8.64E-07 1.60E-06	8.84E-06 1.61E-05
14	11	56	97	38022.23	1	4689.87	2.1323	0.0303	0.0	0.0	0.0	9.40E-08	2.57E-06	2.566-05
16	13	24	85	37880.65	1	4689.92	2.1322	0.0303 E0E0.0	0.0	0.0	0.0	7.62E-08	2.08E-06	2.08E-05
15 11	12	90 112	91	37894.64 3£350.04	1	4651.65 4692.68	2.1314 2.1310	0.0303	0.0 0.0	0.0	0.0	0.0	6.15E-07	6.33E-06
10		117		38511.15	ì	4693.17	2.1308	0.0303	0.0	0.0	0.0	0.0	4.26E-07	4.43E-06
17	14	77	78	37726.41	1	4695.69	2.1296	E0E0.0	0.0	0.0	0.0	1.22E-07	3.29E-06	3.25E-05
13		101		37930.99	i	4697.98	2.1286	0.0303	0.0	0.0	0.0	4.795-08	1.325-06	1.31E-05
16	13	E3	84	37607.55	î	4701.55	2.1270	E0E0.0	0.0	0.0	0.0	1.09E-07	2.90E-06	2.84E-05
14	11	95	96	37709.03	ī	4702.67	2.1265	0.0303	0.0	0.0	0.0	6.85E-08	1.845-06	1.81E-05
12		106		37917.62	ī	4703.69	2.1260	E0E0.0	0.0	0.0	0.0	0.0	1.01E-06	1.01E-05
15	12	89	90	37601.46	1	4703.87	2.1259	0.0303	0.0	0.0	0.0	8.925-08	2.37E-06	2.32E-05
17	14	76	77	37476.32	1	4706.64	2.1247	EOE0.0	0.0	0.0	0.0	1.40E-07	3.68E-06	3.56E-05
11	в	111	112	37982.73	1	4707.02	2.1245	0.0303	0.0	0.0	0.0	0.0	7.28E-07	7.31E-06
10	7	116	117	36126.84	1	4707.98	2.1241	0.0303	0.0	0.0	0.0	0.0	5.09E-07	5.16E-06
13	10	100	101	37600.60	1	4711.26	2.1226	0.0303	0.0	0.0	0.0	5.74E-08	1.53E-06	1.49E-05
16	13	82	83	37337.31	1	4713.10	2.1217	EDEO.O	0.0	0.0	0.0	1.26E-07	3.28E-06	3.15E-05
14	11	94	95	37398.61	1	4715.38	2.1207	E0E0.0	0.0	0.0	0.0	8.105-08	2.11E-06	2.04E-05
15	12	εe	69	37311.09	1	4716.00	2.1204	E0E0.0	0.0	0.0	0.0	1.05E-07	2.70E-06	2.59E-05
12	9	105	106	37570.06	1	4717.46	2.1198	E0E0.0	0.0	0.0	0.0	4.48F-08	1.19E-06	1.16E-05
17	14	75	76	37229.15	1	4717.50	2.1198	E050.0	C • O	0.0	0.0	1.60E-07	4.10E-06	. 3.91E-05
11	8	110	111	37618.05	1	4721.26	2.1181	E050.0	0.0	0.0	0.0	0.0	8.61E-07	8.42E-06
9	6	120		37951.65	1	4721.78	2.1178	0.0303	0.0	0.0	0.0	0.0	3.61E-07	3.62E-06
10	7	115		37745.10	ī	4722.7C	2.1174	E0E0.0	0.0	0.0	0.0	0.0	6.078-07	5.99E-06
13	10		100	37272.94	1	4724-46	2 • 1 166	0.0303	0.0	0.0	0.0	6.87E-08	1.77E-06	1.695-05
16	13	ξl	82	37069.95	1	4724.55	2.1166	0.0303	0.0	0.0	0.0	1.46E-07	3.69E-06	3.48E-05
14	11	93	94	37090.97	1	4728.0C	2.1151	E0E0.0	0.0	0.0	0.0	9.56E-08	2.42E-06 3.08E-06	2.29E-05 2.90E-05
15	12	£7	88	37023.57	1	4728.04	2.1150	E0E0.0	0.0	0.0	0.0	1.23E-07		
17	14	74	75	36984.90	Ţ	4728.27	2.1149	0.0303	0.0	0.0	0.0	1.82E-07 5.41E-08	4,56E-06 1.39F-06	4.28E-05 1.32E-05
12		104		37225.20	1	4731.14	2.1137	0.0303 0.0303	0.0	0.0	0.0	0.0	1.02E-06	9.705-06
1 i 16	8 13	109	110	37256.02 36805.48	1	4735.42 4735.91	2.1117 2.1115	0.0303	0.0	0.0	0.0	1.69E-07	4.16E-06	3.85E-05
9		119		37555.49	i	4736.88	2.1111	E0E0.0	0.0	0.0	0.0	0.0	4.31E-07	4.21E-06
10		114		37365.96	î	4737.33	2.1109	0.0303	0.0	0.0	0.0	0.0	7.23E-07	6.96E-06
13	10	98	99	36948.03	î	4737.57	2.1108	E0E0.0	0.0	0.0	0.0	8.20E-08	2.05E-06	1.91E-05
17	14	73	74	36743.59	1	4738.94	2.1102	0.0303	0.0	0.0	0.0	2.07E-07	5.07E-06	4.68E-05
15	12	86	87	36738.89	ī	4739.99	2.1097	0.0303	0.0	0.0	0.0	1.43E-07	3.51E-06	3.23E-05
14	11	52	93	36786.14	ī	4740.53	2.1095	0.0303	0.0	0.0	0.0	1.135-07	2.77E-06	2.56E-05
12		103		36883.04	ī	4744.73	2.1076	0.0303	0.0	0.0	0.0	6.53E-08	1.62E-06	1.51F-05
16	13	79	80	36543.91	ī	4747.18	2.1065	0.0303	G.O	0.0	0.0	1.94E-07	4.678-06	4.25E-05
11		108		36896.64	ī	4749.49	2.1055	0.0303	0.0	0.0	0.0	4.826-08	1.20F-06	1.126-05
	-			<b> ·</b>	_									

VU	٧L	JU	JL	LOWER State	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH			CM+G			
				ENERGY		CM-1	MICRON	. H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
17	14	72	73	36505.22	1	4749.53	2.1055	0.0303		0.0	0.0	0 365 03	E 43E 64	5 5 . 5
13	10	97	98	36625.89	i	4750.55	2.1050	0.0303	0.0	0.0	0.0	2.35E-07 9.77E-08	5.63E-06 2.37E-06	5.11E-05 2.16E-05
15	12	2.5	86	36457.07	î	4751.85	2.1044	0.0303	0.0	0.0	0.0	1.67E-07	3.98E-06	3.60E-05
10		113		36989.44	1	4751.88	2.1044	E0E0.0	0.0	0.0	0.0	0.0	8.60E-07	8.06E-06
9		116		37161.89	ī	4751.90	2.1044	0.0303	0.0	0.0	0.0	0.0	5.18E-07	4.91E-06
14	11	91	92	36484.12		4752.97	2.1039	0.0303	0.0	0.0	0.0	1.33E-07	3.17E-06	2.87E-05
12	9	102	103	36543.60	1	4758.23	2.1016	E0E0.0	0.0	0.0	0.0	7.87E-08	1.89E-06	1.72E-05
16	13	78	79	36285.25	1	4758.36	2.1016	0.0303	0.0	0.0	0.0	2.24E-07	5.24E-06	4.69E-05
17	14	71	72	36269.81	1	4760.01	2.1008	0.0303	0.0	0.0	0.0	2.66E-07	6.23E-06	5.57E-05
11	8	107	108	36539.95	1	4763.47	2.0993	0.0303	0.0	0.0	0.0	5.87E-08	1.41E-06	1.285-05
13	10	56	97	36306.52	1	4763.52	2.0993	E0E0.0	0.0	0.0	0.0	1.16E-07	2.73E-06	2.44E-05
15	12	84	85	36178.12	1	4763.61	2.0992	0.0303	0.0	0.0	0.0	1.95E-07	4.52E-06	4.01E-05
. 6		122		37006.34		4764.99	2.0986	E0E0.0	0.0	0.0	0.0	0.0	3.67E-07	3.45E-06
14	11	50	91	36184.92		4765.32	2.0985	0.0303	0.0	0.0	0.0	1.56E-07	3.62E-06	3.21E-05
10		112		36615.54	1	4766.33	2.0981	E050.0	0.0	0.0	0.0	4.22E-08	1.02E-06	9.34F-06
9		117		36770.87	1	4766.83	2.0978	E0E0.0	0.0	0.0	0.0	0.0	6.20E-07	5.73E-06
16	13	77	78	36029.51	1	4769.44	2.0967	E0E0.0	0.0	0.0	0.0	2.57E-07	5.87E-06	5.16E-05
17	14	70	71	36037.37	1	4770.41	2.0963	0.0303	0.0	0.0	0.0	3.01E-07	6.89E-06	6.06E-05
12		101		36206.90		4771.64	2.0957	E0E0.0	0.0	0.0	0.0	9.46E-08	2.20E-06	1.96E-05
15	12	58	84	35902.06	1	4775.28	2.0941	E0E0.0	0.0	0.0	0.0	2.27E-07	5.12E-06	4.46E-05
13	10	95	96	35569.95		4776.36	2.0936	E0E0.0	0.0	0.0	0.0	1.385-07	3.14E-06	2.76E-05
11		106		36185,95		4777.37	2.0932	0.0303	0.0	0.0	0.0	7.13E-08	1.66E-06	1.47E-05
14 E	11	89 121	90	35888.57		4777.58	2.0931	0.0303	0.0	0.0	0.0	1.83E-07	4.12E-06	3.59E-05
16	13	76	77	36600.82 35776.71		4780.3C 4780.43	2.0919	0.0203	0.0	0.0	0.0	0.0	4.40E-07	4.02E-06
10		111		36244.30	1	4780.43	2.0919 2.0917	E0E0.0	G+0	0.0	0.0	2.94E-07	6.57E-06	5.67E-05
17	14		70	35607.91	i	4780.71	2.0517	0.0303	0.0 0.0	0.0	0.0	5.18E-08	1.21E-06	1.08E-05
9		116		36382.44	i	4781.68	2.0913	0.0303	0.0	0.0	0.0	3.40E-07 0.0	7.61E-06 7.42E-07	6.59E-05 6.68E-06
12		100		35872.95		4784.97	2.0899	C.0303	0.0	0.0	0.0	1.14E-07	2/.56E-06	2.236-05
15	12	82	83	35628.90		4786.87	2.0890	0.0303	C.O	0.0	0.0	2.63E-07	5.79E-06	4.958-05
13	10	94	95	35676.18	1	4789.1C	2.0881	0.0303	0.0	0.0	0.0	1.64E-07	3.625-06	3.10E-05
14	11	88	89	35555.07		4789.75	2.0878	0.0303	0.0	0.0	0.0	2.15E-07	4.71E-06	4.02E-05
17	14	68	69	35581.43		4790.91	2.0673	0.0303	0.0	0.0	0.0	3.83E-07	8.39E-06	7.15E-05
11	ε	105	106	35834.66		4791.17	2.0872	E050.0	G.D	0.0	0.0	8.65E-08	1.94E-06	1.698-05
16	13	75	76	35526.85	1	4791.33	2.0871	0.0303	0.0	0.0	0.0	3.36E-07	7.33E-06	6.23E-05
10	7	110	111	35875.71	1	4794.99	2.0855	0.0303	0.0	0.0	0.0	6.36E-08	1.43E-06	1.256-05
8	5	120	121	36197.86	1	4795.53	2.0853	E0E0.0	0.0	0.0	0.0	0.0	5.27E-07	4.69E-06
9	6	115	116	35996.63	1	4796.44	2.0849	C0E0.0	0.0	0.0	0.0	0.0	8.87E-07	7.78E-06
12	ç	99	100	35541.77	1	4798.20	2.0841	0.0303	0.0	0.0	0.0	1.36E-07	2.97E-06	2.536-05
15	12	€ 1	82	35356.64		4798.36	2.0840	0.0303	0.0	0.0	0.0	3.05E-07	6.54E-06	5.49E~05
17	14	67	68	35357.96		4801.03	2.0829	0.0303	0.0	0.0	0.0	4.30F-07	9.23E-06	7.75E-05
13	10	53	94	353€5.23	1	4801.76	2.0826	E0E0.0	C.O	0.0	0.0	1.935-07	4.16E-06	3'•49E-05
14	11	27	88	35304.45		4801.63	2.0825	E0E0.0	0.0	0.0	0.0	2.52E-07	5.38E-06	4.50E-05
16	13	74	75	35279.96		4802.13	2.0824	E0E0.0	0.0	0.0	0.0	3.84E-07	8.18E-06	6.83E-05
11		104		35466.10		4804489	2.0812	E0E0.0	0.0	0.0	0.0	1.05E-07	2.28E-06	1.93E-05
7		124		36062.28	ï	4807.90	2.0799	0.0303	0.0	0.0	0.0	0.0	3.48E-07	3.07E-06
10	12	105 &C	110	35509.81	1	4809.19	2.0754	0.0303	0.0	0.0	0.0	7.79E-08	1.70E-06	1.44E-05
15 8		119		35091.32 35797.48	1	4809.75 4810.68	2.0791	0.0303	0.0	0.0	0.0	3.52E-07	7.37E-06	6.07E-05
17	14	119	67	35797.48	1		2.0787	0.0303	0.0	0.0	0.0	0.0	6.31E-07	5.46E-06
3	6	114		35137.49	1 1	4811.04 4811.11	2.0786 2.0785	0.0303 0.0303	0.0	0.0	G.O	4.83E-07	1.016-05	8.38E-05
12	5	9.6	99	35213.38		4811.35	2.0784	0.0303 E0E0.0	0.0 0.0	0.0	0.0	4.81E-08	1.06E-06	9.05E-06
16	13	73	74	35036.03		4812.84	2.0778	E0E0.0	0.0	0.0	0.0	1.63E-07 4.37E-07	3.45E-06 9.10E-06	2.86E-05 7.47E-05
			• •		•	-015404	2.0170	0.0000	3.0	0.0	0.0	4.3/E-0/	3 4 1 0 5 - 0 6	, .4, E-V5

۷υ	٧L	Jΰ	JL	LOWER STATE	CODE	WAVE WAVE	WAVE LENCTH	HALF Width	*****	** INTEGRAT	EC ** ABSORE C#*GE		EFFICIENT *	*****
				ENERGY		CM-1	MICRCN	HZ	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
14	11	86	87	35016.70	1	4813.81	2.0774	E0E0.0	0.0	0.0	0.0	2.95E-07	6.13E-06	5.03E-05
13	10	92	93	35057.12	1	4814.33	2.0771	E060.0	0.0	0.0	0.0	2.29E-07	4.77E-06	3.92E-05
11	8	103	104	35140.28		4818.52	2.0753	0.0/303	0.0	0.0	0.0	1.27E-07	2.67E-06	2.20E-05
17	14		66	34520.04	1	4820.97	2.0743	0.0303	0.0	0.0	0.0	5.40E-07	1.11E-05	9.06E-05
15	12		80	34826.92		4821.06	2.0742	E0E0,0	0.0	0.0	0.0	4.07E-07	8.30E-06	6.72E-05
10		,106		35146.60		4823.30	2.0733	E050'.0	C • O	0.0	0.0	9.52E-08	S.COE-06	1.66E-05
7	4/			35647.34		4823.43	2.0732	E0E0.0	0.0	0.0	0.0	0.0	4.20E-07	3.60E-06
16	13		73	34795.09		4823.46	2.0732	E0E0.0	0.0	0.0	0.0	4.97E-07	1.C1E-05	8.17E-05
12	9		98	34867.79		4824.4C	2.0728	0.0303	0.0	0.0	0.0	1.946-07	3.99E-06	3.246-05
9	6			35232.91	1	4825.69	2.0722	E0E0.0	0.0	0.0	0.0	5.95E-08	1.26E-06	1.05E-05
14	11		86	34731.85		4825.71	2.0722	EOE0.0	0.0	0.0	0.0	3.45E-07	6.985-06	5.61E-05
8	5			35399.70		4825.73	2.0722	0.0303	0.0	0.0	0.0	0.0	7.59E-07	6.39E-06
13	10	51	92	34751.86	1	4826.81	2.0718	0.0303	0.0	0.0	0.0	2.69E-07	5.46E-06	4.40E-05
17	14	64	65	34705.62	1	4830.80	2.0701	EOEO.O	0.0	0.0	0.0	6.04E-07	1.22E-05	9.78E-05
11	е			34797.22		4832.06	2.0695	E0E0.0	0.0	0.0	0.0	1.53E-07	3.11E-06	2.52E-05
15	12	78,	79	34565.47	1	4832.27	2.0694	0.0303	0.0	0.0	0.0	4.68E-07	9.32E-06	7.41E-05
16	13	71	72	34557.13	1	4833.99	2.0687	0.0303	0.0	0.0	0.0	5.64E-07	1.125-05	8.92E-05
10		107		34786.11	1	4837.32	2.0673	0.0303	0.0	0.0	0.0	1.16E-07	2.36E-06	1.91E-05
12	9	96	97	34565.00	ī	4837.37	2.0672	0.0303	0.0	0.0	0.0	2.325-07	4.61E-06	3.67E-05
14	11	84	85	34449.91	1	4837.51	2.0672	E0E0.0	0.0	0.0	0.0	4.03E-07	7.93E-06	6.26E-05
7	4	122		35234.96	1	4838.87	2.0666	E050.0	0.0	0.0	0.0	0.0	5.06E-07	4.21E-06
13	10	90	91	34449.46	1	4839.20	2.0665	0.0303	0.0	0.0	0.0	3.17E-07	6.24E-06	4.92E-05
9 17	5 14	112	64	34855.04 34494.25	1	4840.19 4840.53	2.0660 2.0659	E0E0.0 E0E0.0	0.0	0.0	0.0	7.34E-08 6.73E-07	1.50E-06 1.33E-05	1.225-05
17	5			36004.53	1	4840.70	2.0658	10:0303	~ 0.0	0.0	0.0	4.39E-08	9.11E-07	1.05E-04
15	12	77	78	34306.98	1	4843.40	2.0647	0.0303	0.0	0.0	0.0	5.39E-07	1.05E-05	7.47E-06 8.17E-05
16	13	70	71	34322.18	1	4844.42	2.0642	0.0303	0.0	0.0	0.0	6.39E-07	1.246-05	9.725-05
11		_		34456.93		4845.51	2.0638	0.0303	0.0	0.0	0.0	1.85E-07	3.63E-06	2.87E-05
14	11		84	34170.88	1	4849.22	2.0622	0.0303	0.0	0.0	0.0	4.69E-07	9.COE-06	6.97E-05
17	14	62	63	34265.92		4850.17	2.0618	0.0303	0.0	0.0	0.0	7.49E-07	1.45E-05	1.13E-04
12	9	95	96	34245.04	i	4850.25	2.0617	0.0303	0.0	0.0	0.0	2.76E-07	5.32E-06	4.14E-05
10		106		34428.34	1	4851.25	2.0613	0.0303	0.0	0.0	0.0	1.42E-07	2.78E-06	2.19E-05
13	10	89	90	34149.94		4851.5¢	2.0612	0.0303	0.0	0.0	0.0	3.72E-07	7.12E-06	5.516-05
7	4	121		34825.16	î	4854.22	2.0601	0.0303	6.0	0.0	0.0	0.0	6.08E-07	4.92E-06
15	12	76	77	34051.46	ī	4854.42	2.0600	EOE0.0	C.O	0.0	0.0	6.18E-07	1.178-05	9.00E-05
9				34479.86	1	4854.6C	2.0599	0.0303	0.0	0.0	0.0	9.04E-08	1.79E-06	1.41E-05
16	13		70	34090.25	1	4854.76	2.0558	. E0E0.0	0.0	0.0	0.0"	7.22E-07	1.37E-05	1.06E-04
8		116		34611.99	1	4855.59	2.0595	0.0303	0.0	0.0	0.0	5.47E-08	1.09E-06	8.72E-06
11		100		34119.43		4858.88	2.0561	E0E0.0	0.0	0.0	0.0	2.22E-07	4.23E-06	3.27E-05
17	14	61	62	34060.64	1	4859.72	2.0577	0.0303	0.0	0.0	0.0	8.32E-07	1.586-05	1.22E-04
14	11	62	EB	33894.79	1	4860.84	2.0573	E050.0	0+0	0.0	0.0	5.46E-07	1.028-05	7.74E-05
12	9	94	95	33927.93	1	4863.04	E020.S	E0E0.0	0.0	0.0	0.0	3.28E-07	6.14E-06	4.676-05
13	1 C	8.8	89	33853.30	1	4863.70	2.0560	E0E0.0	0.0	0.0	0.0	4.396-07	8.16E-06	6.18E-05
16	13	6 €	69	33861.33	1	4865.00	2.0555	E050.0	0.0	0.0	0.0	8.15E-07	1.52E-05	1.15E-04
10	7	105	106	34073.32	1	4865.10	2.0555	E0E0.0	0.0	0.0	0.0	1.72E-07	3.27E-06	2.526-05
15	12	75	76	33798.93	1	4865.36	2.0553	E050.0	C • O	0.0	0.0	7.08E-07	1.31E-05	9.89E-05
6	3	125	126	34695.28	1	4866.26	2.0550	E0E0.0	0.0	0.0	0.0	0.0	3.65E-07	2.93E-06
9	6	110	111	34107.37	1	4868.93	2.0538	E0E0.0	0.0	0.0	0 • 0	1.11E-07	2.12E-06	1.63E-05
17	14	60	61	33878.44	1	4865.17	2.0537	0.0303	0.0	0.0	0.0	9.22E-07	1.72E-05	1.30E-04
7		120		34417.95	1	4869.49	2.0536	0.0203	0.0	0.0	0.0	0.0	7.30E-07	5.75E-06
e		115		34222,09	1	4870.39	2.0532	ερξο, ο	0.0	0.0	0.0	6.80E-08	1.31E-06	1.02E-05
11	E		100	33784.73	1	4872.15	2.0525	0.0303	C.O	0.0	0.0	2.67E-07	4.936-06	3.726-05
14	11	61	82	33621.65	1	4872.37	2.0524	. 6050*0	G.O	0.0	0.0	6.34E-07	1.15E-05	8.606-05

٧u	٧Ļ	Jυ	JL	LOWER State	CODE	WAVE Naver	WAVE LENGTH	HALF Width	*****	** INTEGRATE	ED ** ABSORF CM*GA	TION ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICREN	Н2	T = 1000	T = 1500	T = 2000	T = 2500	000E = T	T = 3500
16	13	67	68	33635.45	1	4875.15	2.0512							
12	- 5	93	94	33613.67	î	4875.73	2.0512	0.0303	0.0	0.0	0.0	9•17E-07	1.67E-05	1.25E-04
13	10	٤7	88	33559.57	î	4875.82	2.0509	0.0303	0.0	0.0	0.0	3.88E-07	7.06E-06	5.266-05
15	12	74	75	33549.38	î	4876.20	2.0508	0.0303	0.0	0.0	0.0	5.16E-07	9.33E-06	6.93E-05
17	14	59	60	33679.31	î	4878.52	2.0506	0.0303 0.0303	0.0	0.0	0.0	8.10E-07	1.46E-05	1.09E-04
10		104		33721.07	î	4878.85			0.0	0.0	0.0	1.02E-06	1 . 87E-05	1.40E-04
-6		124		34273.40	î	4881.91	2.0457	0.0303	0.0	0.0	0.0	2.09E-07	3.84E-06	2.89E-05
9		109		33737.59	î	4883.16	2.0484 2.0479	0.0303	0.0	0.0	0.0	0.0	4.41E-07	3.44E-06
14	11		81	33351.46	ī	4883.80	2.0476	0.0303 0.0303	0.0	0.0	0.0	1.375-07	2.51E-06	1.89E-05
7	_	119		34013.35	ī	4884.67	2.0478	0.0303	0.0	0.0	0.0	7.34E-07	1.30E-05	9.536-05
a		114		33634.87	ī	4885.10	2.0470	0.0303	0.0	0.0	0.0	4.63E-08	8.75E-07	6.70E-06
16	13	66	67	33412.62	ì	4885.20	2.047C	0.0303	0.0	0.0	0.0	8.43E-08	1.57E-06	1.19E~05
11		98	99	33452.85	ī	4885.33	2.0469	0.0303	C.O	0.0	0.0	1.03E-06	1.84E-05	1.35E-04
15	12	73	74	33302.84	i	4886.95	2.0463		0.0	0.0	0.0	3.20E-07	5.72E-06	4.226-05
17	14	56	59	33483.27	î	4887.78	2.0463	E0E0.0	0.0	0.0	0.0	9.24E-07	1.63E-05	1.19E-04
13	10	86	87	33268.76	î	4887.84	2.0459	0.0303	0.0	0.0	0.0	1.13E-06	2.03E-05	1.506-04
12	Ğ	92	93	33302.29	î	4868.34	2.0457	E0E0.0	0.0	0.0	0.0	6.06E-07	1.07E-05	7.76E-05
10	7	103		33371.58	î	4892.52	2.0437	E0E0.0	0.0	0.0	0.0	4.60E-07	8.116-06	5.926-05
14	11	79	80	33084.24	i	4895.15	2.0428	0.0303	0.0	0.0	0.0	2.54E-07	4.50E-06	3.30E-05
16	13	65	66	33192.84	î	4895.17	2.0428	E080.0	0.0	0.0	0.0	8.49E-07	1.47E-05	1.05E-04
17	14	57	58	33290.32	î	4896.94	2.0421	E0E0.0	0.0	0.0	0.0	1.16E-06	2.02E-05	1-46E-04
 9	Ē	108		33370.55	i	4897.31	2.0421	E0E0.0	0.0	0.0	0.0	1.25E-06	2.20E-05	1.61E-04
6	-	123		33854.11	i	4897.48	2.0419	C.0303	0.0	0.0	0.0	1.67E-07	2.97E-06	2.18E-05
15	12	72	73	33059.32	i	4897.61	2.0419	0.0303 0.0303	0.0	0.0	0.0	0.0	5.33E-07	4.04E-06
11	8	97	98	33123.80	ī	4898.43			0.0	0.0	0.0	1.05E-06	1.81E-05	1.30E-04
- 8		113		33450.32	1	4899.72	2.0415	0.0303	0.0	0.0	0.0	3.83E-07	6.64E-06	4.79E-05
13	10	85	86	32980.87	ì	4899.77	2.0409	E0E0.0	0.0	0.0	0.0	1 . 0 4E-07	1.87E-06	1.38E-05
7	- 4	116		33611.38	î	4899.77		E0E0.0	0.0	0.0	0.0	7.10F-07	1.21E-05	8.67E-05
12	ç	91	92	32993.78	i	4900.86	2.0409	E0E0.0	0.0	0.0	0.0	5.80E-08	1.05E-06	7.86E-06
16	13	64	65	32976.12	ì	4905.03	2.0405 2.0387	E0E0.0	0.0	0.0	0.0	5.43E-07	9.31E-06	6.65E-05
17	14	56	57	331co.48	i	4906.01	2.0363	0.0303	C.O	0.0	0.0	1.298-06	2.21E-05	1.58E-04
10		102		33024.89	î	4906.10	2.0383	0.0303	0.0	0.0	0.0	1.38E-06	2.395-05	1.72E-04
14	11	78	79	32820.01	i	4906.40	2.0383	E0E0.0	0.0	0.0	0.0	3.07E-07	5.27E-06	3.78E-05
15	12	71	72	32818.82	î	4908.17	2.0382	0.0303	0.0	0.0	0.0	9.80E-07	1.65E-05	1.17E-04
9		107		33006.25	î	4911.37	2.0361	E0E0.0	0.0	0.0	0.0	1.20E-06	2.C1E-05	1.42E-04
11	8	96	97	32797.60	î	4911.43	2.0361	0.0303	0.0	0.0	0.0	2.05E-07	3.51E-06	2.51E-05
13	10	E 4	25	32695.94	i	4911.61	2.0360	0.0303	0.0	0.0	0.0	4.57E-07	7.69E-06	5.42E-05
6		122		33437.40	î	4912.96	2.0354	0.0303	0.0	0.0	0.0	8.30E-07	1.386-05	9.68E-05
12	ç	50	91	32688.18	i	4913.28	2.0353	0.0303	0.0	0.0	0.0	0.0	6.44E-07	4.74E-06
8		112		33068.48	î	4914.26	2.0349		0.0	0.0	0.0	6.41E-07	1.07E-C5	7.46E-05
7		117		33212.05	î	4914.78	2.0347	0.0303 0.0303	0.0	0.0	0.0	1.29E-07	2.23E-06	1.60E-05
16	13	63	64	32762.48	ī	4914.8C	2.0347	E0E0.0	0.0	0.0	0.0	7.25E-08	1.27E-06	9.21E-06
17	14	56	56	32913.75	ì	4914.98	2.0347	0.0303	0.0	0.0	0.0	1.44E-06	2.42E-05	1.70E-04
14	11	77	78	32558.77	ī	4917.56	2.0335	E0E0.0	G.O	0.0	0.0	1.52E-06	2.586-05	1.83E-04
15	12	70	71	32581.36	î	4918.64	2.0331		0.0	0.0	0.0	1.13E-06	1.85E-05	1.29E-04
10		101		32681.01	i	4919.55	2.0327	0.0303 0.0303	0.0	0.0	0.0	1.36E-06	2.23E-05	1.55E-04
13	10	EB	84	32413.95	î	4923.36	2.0311		0.0	0.0	0.0	3.71E-07	6.17E-06	4.31E-05
17	14	54	55	32730.14	î	4923.86		0.0303	0.0	0.0	0.0	9.696-07	1.57E-05	1.08E-04
11	ě	95	96	32474.26	i	4924.35	2.0309	E0E0.0	0.0	0.0	0.0	1.67E-06	2.78E-05	1.96E-04
16	13	62	63	32551.91	1	4924.35	2.0307	E0E0.0	0.0	0.0	0.0	5.45E-07	8.89E-06	6.13E-05
9		106		32644.72	1		2.0307	0.0303	0.0	0.0	0.0	1.61E-06	2.648-05	1.83E-04
12	ç	89	90	32365.48	i	4925.34	2.0303	E0E0.0	0.0	0.0	0.0	2.50E-07	4 • 1 4 E- 06	2.89E-05
6		121		33023.30	1	4925.62 4928.35	2020.2	0.0303	0.0	0.0	0.0	7.54E-07	1.22E-05	8.366-05
•	•			2202000	•	7520100	2.0291	E0E0.0	0.0	0.0	0.0	4.51E-08	7.75E-07	5.566-06

γu	٧Ł	Ju	JL	LCWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	HS	T = 1000	T = 150C	T = 2000	T = 2500	T = 3000	T = 3500
14	11	76	77	32300.53	1	4928.62	2.0290	E0E0.0	0.0	0.0	0.0	1.30E-06	2.08E-05	1.42E-04
е	_			32689.35	1	4928.71	2.0289	E0E0.0	0.0	0.0	0.0	1.60E-07	2.66E-06	1.86E-05
15	12	69	70	32346.95	1	4929.01	2.0288	0.0303	. 0.0	0.0	0.0	1.54E-06	2.47E-05	1.69E-04
7				32615.40	1	4929.70	2.0285	0.0303	0.0	0.0	0.0	9.C5E-08	1.53E-06	1.08E05
17	14	53	54	32549.66	1	4932.63	2.0273	0.0303	0.0	0.0	0.0	1.83E-06	3.00E-05	2.08E-04
10		100		32339.95	1	4932.99	2.0272	0.0303	0.0	0.0	0.0	4-47E-07	7.20E-06	4.92E~05
16	13	61	62	32344.45	1	4934.06	2.0267	0.0303	0.0	0.0	0.0	1.79E-06	2.88E-05	1.97E~04
13	10	8.2	83	32134.93	1	4935.02	2.0263	E0E0.0	0.0	0.0	0.0	1.13E-06	1.78E-05	1.20E-04
11	9	94	95	32153.80	1	4937.17	2.0255	0.0303	0.0	0.0	0.0	6.49E-07	1.03E-05	6.93E-05
12	9	8.8	89	32065.71	1	4937.86	2.0252	0.0303	0.0	0.0	0.0	8.90E-07	1.40E-05	9.40E-05
9	6		106	32265.97	1	4939.22	2.0246	0.0303	0.0	0.0	0.0	3.05E-07	4.88E-06	3.33E-05
15	12	6 6	69	32115.60	1	4939.29	2.0246	0.0303	0.0	0.0	0.0	1.74E-06	2.73E-05	1.84E-04
14	11	75	76	32045.30	1	4939.60	2.0245	0.0303	0.0	0.0	0.0	1.49E-06	2.33E-05	1.56E-04
5		125		32884.54	1	4940.44	2.0241	0.0303	0.0	0.0	0.0	0.0	4.08E-07	2.90E-06
17	14	52	53	32372.31	1	4941.32	2.0236	0.0303	0.0.	0.0	0.0	2.00E-06	3.23E-05	2.21E-04
е		110		32312.95	1	4943.07	2.0230	0.0303	0.0	0.0	0.0	1.97E-07	3.16E-06	2.16E-05
16	13	60	61	32140.09	Ţ	4943.55	2.0228	0.0303	0.0	0.0	0.0	1.99E-06	3.14E-05	2.12E-04
6		120		32611.84	1	4943.66	2.0228	E0E0.0	0.0	0.0	0.0	5.65E-08	9.33E-07	6.50E-06
7	4	115		32421.43	1	4944.54	2.0224	0.0303	0.0	0.0	0.0	1.136-07	1.83E-06	1.26E-05
10	7		100	32001.73	1	4946.30	2.0217	0.0303	0.0	0.0	0.0	5.38E-07	8.39E-06	5.61E-05
13	10	81	82	31658.89	1	4946.55	2.0216	0.0303	0.0	0.0	0.0	1.31E-06	2.02E-05	1.34E-04
15	12	67	68	31867.32	1	4949.48	2.0204	0.0303	0.0	0.0	0.0	1.96E-06	3.02E-05	2.00E-04
17	14	51	52	32198.11	1	4949.9C	2.0202	E050.0	0.0	0.0	0.0	2.18E-06	3.46E-05	2.35E-04
11	ε	93	94	31836.23	1	4949.91	2.0202	E050.0	0.0	0.0	0.0	7.71E-07	1.18E-05	7.82E-05
12	9	٤٦	88	31788.87	1	4950.01	2.0202	EDE0.0"	0.0	0.0	0.0	1.05E-06	1.60E-05	1.06E-04
14	11	74	75	31793.11	1	4950.48	2.0200	0.0303	0.0	0.0	0.0	1.70E-06	2.60E-05	1.72E-04
16	12	55	60	31938.83	1	4952.94	2.0196	0.0303	C • O	0.0	0.0	2.20E-06	3.41F-05	2.27E-04
9		104	-	31930.02	i.	4953.02	2.0150	0.0303	0.0	0.0	0.0	3.71E-07	5.75E~06	3.826-05
5		124		32458.27	1	4956.13	2.0177	E0E0.0	0.0	0.0	0.0	0.0	4.95E-07	3.41E-06
ŧ		109		31939.30	1	4957.34	2.0172	0.0303	0.0	0.0	0.0	2.42E-07	3.756-06	2.50E-05
13	10	E C	61	31565.85	1	4958.06	2.0169	0.0303	0.0	0.0	0.0	1.52E-06	2.286-05	1.48E-04
17	14	50	51	32027.05	i.	4958.39	2.0168	0.0303	0.0	0.0	0.0	2.37E-06	3.71E-05	2.48E-04
6		119		322C3.01	1	4958.88	2.0166	E0E0.0	0.0	0.0	0.0	7.06E-08	1.12E-06	7.60E-06
7	4	114		32030.15	ı	4959.29	2.0164	0.0303	0.0	0.0	0.0	1.40E-07	2.19E-06	1.47E-05
10	7	3 2	99	31666.36	1	4959.52	2.0163	0.0303	0.0	0.0	0.0	6.47E-07	9.76E-06	6.38E-05
15	12	66	67	31662.11	1	4959.57	2.0163	0.0303	0.0	0.0	0.0	2.20E-06	3.32E-05 2.91E-05	2.17E-04 1.88E-04
14	11	72	74	31543.96	1	4961.26	2.0156	0.0363	0.0		0.0	1.95E-06 1.23E-06	1.83E-05	1.18E-04
12	9	86	87	31495.00	1	4962.08	2.0153	0.0303	0.0	0.0	0.0 0.0	2.44E-06	3,71E-05	2.44E-04
16	12	5 &	59	31740.70	1	4962.24	2.0152	0.0303	0.0	0.0	0.0	9.15E-07	1.366-05	8.81E-05
11	8	92	93	31521.56	1	4962.55	2.0151	0.0303	0.0				6.75E-06	4.38E-05
5	. 6	103		31576.87	1	4966.72	2.0134	0.0303	0.0	0.0	0.0	4.51E-07 2.58E-06	3.97E-05	2.62E-04
17	14	45	50	31859.17	1	4966.79	2.0134	0.0303	0.0	0.0		1.76E-06	2.586-05	1.645-04
13	10	75	03	31315.80	Ţ	4969.44	2.0123	0.0303	0.0	0.0	0.0	2.47E-06	3.65E-05	2.35E-04
15	12	65 57	66 58	31439.99 31545.70	1	4965.57 4971.44	2.0122	0.0303 0.0303	0.0 0.0	0.0	0.0 4.14E-08	2.70E-06	4.03E-05	2.61E-04
16				31568.43	1			E0E0.0		0.0	0.0	2.97E-07	4.45E-06	2.89E-05
8 5	_	108 123		32034.61	1	4971.53	2.0115	0.0303	0.0 0.0	0.0	0.0	0.0	5.996-07	4.01E-06
_	11	72	73	31297.86	1	4971.73 4971.96	2.0114 2.0113	0.0303	0.0	0.0	0.0	2.22E-06	3.24E-05	2.06E-04
14	7	57	98	31237.86	_	4972.66		C.0303		0.0	0.0	7.76E-07	1.135-05	7.24E-05
10	-				1		2.0116		0.0				2.63E-06	1.71E-05
7 6		113		31641.59	1	4973.95	2.0105	E050.0	G • O	0.0	0.0	1.74E-07 8.86E-08	1.35E-06	8.93E-06
	_				1	4974.01	2.0105	E0E0.0		0.0			2.09E-05	1.32E-04
12 17	9	65 48	86 49	31204.08	1	4974.05 4975.06	2.0104	E050.0	0.0 0.0	0.0	0.0 4.20E-08	1.45E-06 2.80E-06	4.23E-05	2.77E-04
17	- 4	40	4 7	21074440	•	4317100	2,0100	0.0303	0.0	0.00		2 + 0 5 4 - 0 0		, .,

VU	٧L	าก์	'nΓ	LOWER State	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSORF CM+GN		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
1.1	8		92	31209.82		4975.11	2.0100	0.0303	0.0	0.0	0.0	1.08E-06	1.57E-05	9.916-05
15	12	64	65	31220.98	1	4979.47	2.0082	0.0303	0.0	0.0	4.45E-08	2.77E-06	4.01E-05	2.54E-04
9	6	102		31226.56	1	4980.34	2.0079	E0E0.0	0.0	0.0	0.0	5.47E-07	7.92E-06	5.026-05
16	13	56	57	31353.83	1	4980.54	2.0078	0.0303	0.0	0.0	4.716-08	2.99E-06	4.38E-05	2.80E-04
13	10	76	79	31048.78	1	4980.72	2.0077	E0E0.0	0.0	0.0	0.0	2.04E-06	2.90E-05	1.82E-04
14	11	71	72	31054.82	.1	4982.55	2.0070	E0E0.0	0.0	0.0	4.16E-08	2.53E-06	3.60E-05	2.26E-04
17	14	47	48	31532.90	`1	4983.28	2.0067	E050.0	0.0	0.0	4.64E-08	3.02E-06	4.51E-05	2.92E-04
8	5	107		31200.33	1	4985.62	2.0058	0.0303	0.0	0.0	0.0	3.65E-07	5.27E-06	3.33E-05
10	7	96	97	31004.25	1	4985.7C	2.0057	C0E0.0	0.0	0.0	0.0	9.29E-07	1.32E-05	8.22E-05
12	9	48	85	30916.14	1	4985.92	2.0056	0.0303	0.0	0.0	0.0	1.70F-06	2.38E-05	1.48E-04
5	2	122		31613.57	_	4987.25	2.0051	E0E0.0	0.0	0.0	0.0	4.82E-08	7.256-07	4.72E-06
11	9	90	91	30901.00	1	4987.57	2.0050	E0E0.0	0.0	0.0	0.0	1.28E-06	1.80E-05	1.11E-04
7	4	112		31255.77	1	4988.53	2.0046	E0E0.0	0.0	0.0	0.0	2.16E-07	3.14E-06	1.99E-05
6	3		118	31393.38	1	4989.06	2.0044	E0E0.0	0.0	0.0	0.0	1.11E-07	1.63E-06	1.05E-05
15	12	-63	64	31005.07	1	4989.28	2.0043	E0E0.0	0.0	0.0	5.14E-08	3.10F-06	4.39E-05	2.74E-04
16	13	5.5	56	31165.11	1	4989.55	2.0042	0.0303	0.0	0.0	5.33E~08	3.29E-06	4.74E-05	2.99E-04
17	14	46	47	31374.53	1	4991.38	2.0035	EQE0.0	0.0	0.0	5.13E-08	3.26E-06	4.79E-05	3.07E-04
13	10	77	78	30784.78	1	4991.93	2.0032	E0E0.0	0.0	0.0	4.03E-08	2.35E-06	3.27E-05	2.01E-04
14	11	70	71	3C814.84	1	4993.06	2.0028	0.0303	0.0	0.0	4.90E-08	2.88E-06	4.00E-05	2.47E-04
9	6	101		30679.08	1	4993.87	2.0025	C0E0.0	0.0	0.0	0.0	6.62E-07	9.28E-06	5.74E-05
12	9	83	84	30631.19	1	4997.71	2.0009	0.0303	0.0	0.0	0.0	1.98E-06	2.71E-05	1.65E-04
16	13	54	55	30979.55	1	4998.46	2.0006	C.0303	0.0	0.0	6.02E-08	3.62E-06	5.12E-05	3.19E-04
10	7	95	96	30677.52	1	4998.65	2.0005	E0E0.0	0.0	0.0	C.O	1.11E-06	1.53E-05	9.31E-05
15	12	62	63	30792.28	1	4999.00	2.0004	E0E0.0	0.0	0.0	5.91E-08	3.46E-06	4.81E-05	2.96E-04
17	14	45	46	31219.36	1	4999.38	2.0002	E0E0.0	0.0	0.0	5.645-08	3.51E-06	5.08E-05	3.22E-04
8	5	106	_	30835.03	1	4999.63	2.0001	E050.0	0.0	0.0	0.0	4.47E-07	6.23E-06	3.85E-05
11	£	89	90	30595.13	1	4999.94	2.0000	E0E0.0	0.0	0.0	0.0	1.51E-06	2.06E-05	1.25E-04
5	2	121		31195.18	1	5002.68	1.9989	0.0303	0.0	0.0	0.0	6.07E-08	8.76E-07	5.54E-06
7	4	111		30872.70	1	5003.01	1.9988	E0E0.0	0.0	0.0	0.0	2.68E-07	3.75E-06	2.32E-05
13	10	76	77	30523.82	1	5003.03	1.9988	E0E0.0	0.0	0.0	4.81E-08	2.71E-06	3.67E-05	2.22E-04
14	11	65	70	30577.96	1	5003.47	1.9986	0.0303	0.0	0.0	5.75E-08	3.26E-06	4.44E-05	2.69E-04
6	3	116		30992.61	1	5004.02	1.9984	E0E0.0	0.0	0.0	0.0	1.39E-07	1.975-06	1.236-05
16	13	53	54	30797.15	1	5007.28	1.9971	E0E0.0	0.0	0.0	6.78E-08	3.97E-06	5.526-05	3-40E-04
17	14	44	45	31067.38	1	5007.29	1.9971	E0E0.0	0.0	0.0	6.19E-08	3.77E-06	5.38E-05	3.37E-04
9	6		101	30534.46	1	5007.31	1.9971	E0E0.0	0.0	0.0	0.0	8.01E-07	1.08E-05	6.56E-05
15	12	61	62	30562.61	1	5008.61	1.9966	60E0•0	0.0	0.0	6.78E-08	3.85E-06	5.255-05	3.18E-04
12	9	82	83	30349.24	1	5009.41	1.9562	E0E0.0	0.0	0.0	4.225-08	2.32E-06	3.08E-05	1.84E-04
10	7	94	95	30353.71	1	5011.52	1.9954	0.0303	0.0	0.0	0.0	1.32E-06	1.765-05	1.05E-04
11	£	€€	89	36292.22	1	5012.23	1.9951	0.0303	0.0	0.0	0.0	1.795-06	2.36E-05	1 . 4 1E-04
8	5	1 C 5	106	30472.55	1	5013.56	1-9546	E0E0.0	0.0	0.0	0.0	5.46E-07	7.36E-06	4.43E-05
14	11	68	65	30344.16	1	5013.79	1.9945	E0E0.0	0.0	0.0	6.72E-08	3.69E-06	4.91E-05	2.935-04
13	10	75	76	30265.92	1	5014.04	1.9544	0.0303	0.0	0.0	5.74E-08	3.125-06	4 - 1 2E-05	2.44E-04
17	14	43	44	30918.60	· 1	5015.10	1.9940	E0E0.0	0.0	0.0	6.78E-08	4.04E-06	5.686-05	3.53E-04
16	13	52	53	30617.92	1	5015.99	1.9936	C.0303	0.0	0.0	7.62E-08	4.35E-06	5.94E-05	3.62E-04
7	4	11C	111	30452.39	1	5017.41	1.9931	E0E0.0	0.0	0.0	0.0	3.31E-07	4.47E-06	2.69E-05
5	2	120	121	30779.46	1	5018.02	1.9928	E0E0.0	0.0	0.0	0.0	7.61E-08	1.06E-06	6.50E-06
15	12	60	61	30376.09	1	5018.14	1.9928	0.0303	0.0	0.0	7.77E-08	4.28E-06	5.72E-05	3.42E-04
6	3	115	116	30594.55	1	5018.90	1.9925	E0E0.0	0.0	0.0	0.0	1.74E-07	2.37E-06	1.44E-05
9	6	99	100	30192.72	1	5020.66	1.9918	0.0303	0.0	0.0	0.0	9.66E-07	1.27E-05	7.49E-05
12	9	81	82	30070.30	i	5021.01	1.9516	0.0303	0.0	0.0	5.11E-08	2.70E-06	3.505-05	2.05E-04
17	14	42	43	30773.04	1	5022.81	1.9909	0.0303	0.0	0.0	7.39E-08	4.32E-06	5.99E-05	3.68E-04
14	11	67	68	30113.47	1	5024.01	1.9904	E0E0.0	0.0	0.0	7.85E-08	4.17E-06	5.43E-05	3.19E-04
10	7	52	94	30032.83	1	5024.29	1.9903	0.0303	0.0	0.0	0.0	1.58E-06	2.04E-05	1.19E-04
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VU	٧L	JU	JL	LONER STATE	CODE	WAVE	WAVE Lencth	HALF WICTH	******	** INTEGRAT	EC ** ABSOR		EFFICIENT *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
11	8	<b>e</b> 7	88	29992.29	1	5024.42	1.9903	0.0303	0.0	0.0	4.04E-08	2.11E-06	2.716-05	1.58E-04
16	13	51	52	30441.87	1	5024.62	1.9902	E0E0.0	0.0	0.0	8.54E-C8	4.75E-06	6.396-05	3.84E-04
13	10	74	75	30C11.07	1	5024.96	1.9901	0.0303	0.0	0.0	6.83E-08	3.586-06	4.61E-05	2.69E-04
8	5	-	105	30112.89	1	5027.39	1.9851	0.0303	0.0	0.0	0.0	6.66E-07	8.67E-06	5.10E-05
15	12	59	60	30172.71	1	5027.57	1.9890	0.0303	0.0	0.0	8.87E-08	4.75E-06	6.22E-05	3.67E-04
17	14	41	42	30630.69	1	5030.42	1.9879	E0E0.0	0.0	0.0	8.05E-08	4.60E-06	6.30E-05	3.84E-04
4	1	124		30616.80		5030.54	1.9879	E0E0.0	0.0	0.0	0.0	0.0	4 • 49E-07	2.73E-06
7	4	109		30114.87	1	5031.73	1.9874	E0E0.0	0.0	0.0	0.0	4.08E-07	5.32E-06	3.12E-05
12	9	60	81	29754.40	1	5032.5 <i>2</i>	1.9871	0.0303	0.0	0.0	6.19E-08	3.14E-06	3.96E-05	2.28E-04
16	13	50	51	30269.01	1	5033.14	1.9868	0.0303	0.0	0.0	9.54E-08	5.18E-06	6.85E-05	4.07E-04
5		115		30366.41	1	5033.26	1.9868	E0E0.0	0.0	0.0	0.0	9.54E-08	1.27E-06	7.61E-06
6	3	114		30199.23		5033.68	1.9866	0.0303	0.0	0.0	0.0	2.17E-07	2.84E-06	1.68E-05
9	6	s e	99	29853.86	1	5033.92	1.9865	0.0303	0.0	0.0	0.0	1.16E~06	1.48E-05	8.53E-05
14	11	66	67	25885.90	1	5034.14	1.9864	E0E0.0	0.0	0.0	9.14E-08	4.70E-06	5.98E-05	3.46E-04
13	10	73	74	29759.31	1	5035.78	1.9858	0.0303	0.0	0.0	8.11E-08	4.09E-06	5.15E-05	2.96E-04
11	8	86	87	29695.34	Ţ	5036.52	1.9855	0.0303	0.0	0.0	4.97E-08	2.48E-06	3.11E-05	1.78E-04
1 5	12	56	55	29972.48	1	5036.90	1.9853	E0E0.0	0.0	0.0	1.01E-07	5.285-06	6.78E-05	3.95E-04
10	7	92		29714.89	1	5036.97	1.9853	0.0303	0.0	0.0	0.0	1.87E-06	2.35E-05	1.34E-04 3.99E-04
17	14	40	41	30451,56	1	5037.93	1.9849	0.0303	0.0	0.0	6.73E-08	4.90E-06	6.61E-05	
8	5		104	29756.08	1	5041.13	1.9837	C.0303	0.0	0.0	0.0	8.11E-07	1.02E-05	5.86E-05
16	13	49	50	30099.34	1	5041.57	1.9835	0.0303	C.O	0.0	1.06E-07	5.64E-06	7.338-05	4.306-04
12	9	79	80	29521.54	1	5043.94	1.9826	0.0303	0.0	0.0	7.47E-08	3.64E-06 5.28E-06	4.48E-05 6.59E-05	2.53E-04 3.75E-04
14	11	65	66	29661.45	1	5044.18	1.9825	0.0303 0.0303	0.0	0.0	1.06E-07 9.44E-08	5.26E-06 5.19E-06	6.92E-05	4.145-04
17	14	39	40	30355.66		5045.35	1.9820		0.0					3.62E-05
7	4		109	25740.16	1	5045.95	1.9818	E0E0.0	0.0	0.0	0.0	5.03E-07	6.32E-06	4.24E-04
15	12	57	58	29775.43	1	5046.13	1.9817	0.0303	0.0	0.0	1.16E-07 0.0	5.85E-06 4.15E-08	7.38E-05 5.45E-07	3.22E-06
4		123		30188.78	1	5046.19	1.9617	0.0303 0.0303	0.0	0.0	9.61E-08	4.68E-06	5.75E-05	3.24E-04
13	10	72	73	29510.62 29517.91		5046.51	1.9816	0.0303	0.0	0.0	0.0	1.40E-06	1.72E-05	9.71E-05
9	6	97	98		1	5047.09 5048.39	1.9813	0.0303 E0E0.0	0.0 0.0	0.0	0.0	2.70E-07	3.41E-06	1.96E-05
6		113		29806.66 29956.07	1 '	5048.46	1.9808	0.0303	0.0	0.0	0.0	1.206-07	1.54E-06	8.96E-06
. 5	£	85	86	29401.38		5048.52	1.9808	0.0303	0.0	0.0	6.09E-08	2.925-06	3.55E-05	1.99E-04
11 10	7	91	92	29399.89	1	5049.56	1.9804	0.0303	0.0	0.0	4.64E-08	2.22E-06	2.70E-05	1.51E-04
16	12	48	49	29532.87	1	5049.90	1.9802	0.0303	0.0	0.0	1.18E-07	6.12E-06	7.83E-05	4.55E-04
17	14	38	39	30223.00	1	5052.67	1.9792	0.0303	0.0	0.0	1.02E-07	5.50E-06	7.23E-05	4.29E-04
14	11	64	65	29440.12	ì	5054.12	1.9786	C.0303	0.0	0.0	1.23E-07	5.93E-06	7.24E-05	4.07E-04
8	ŝ		103	29402.14	i	5054.79	1.9783	0.0303	0.0	0.0	0.0	9.865-07	1.20E-05	6.725-05
12	9	76	79	29251.72		5055.27	1.9781	0.0303	0.0	0.0	8.99E-08	4.22E-06	5.06E-05	2.80E-04
15	12	56	57	25581.54	1	5055.28	1.9781	0.0303	0.0	0.0	1.325-07	6.47E-06	8.01E-05	4.546-04
13	10	71	72	29265.04	i	5057.15	1.9774	0.0303	0.0	0.0	1 • 13E-07	5.346-06	6.41E-05	3.55E-04
16	13	47	48	29769.62		5058-14	1.9770	0.0303	0.0	0.0	1.31E-07	6.62E-06	8.35E-05	4.79E-04
17	14	37	38	30093.57	1	5059.89	1.9763	0.0303	0.0	0.0	1.10E-07	5.80E-06	7.54E-05	4.43E-04
7	4	167		29368-25	i	5060.09	1.9762	0.0303	0.0	0.0	0.0	6.18E-07	7.49E-06	4.19E-05
9	6	56	97	25164.87	1	5060.17	1.9762	0.0303	0.0	0.0	0.0	1.68F-06	2.00E-05	1.10E-04
11	ě	24	85	29110.45	1	5060.44	1.9761	0.0303	0.0	0.0	7.46E-08	3.43E-06	4.06E-05	2.236-04
4		122		29763.41	ī	5061.74	1.9756	0.0303	0.0	0.0	0.0	5.24E-08	6.60E-07	3.795-06
10	7	90	91	29087.87	î	5062.07	1.9755	0.0303	0.0	0.0	5.75E-08	2.63E-06	3.11E-05	1.70E-04
6		112		25416.86	î	5063.00	1.9751	0.0303	0.0	0.0	0.0	3.35E-07	4.09E-06	2.295-05
5		117		29548.44	ì	5063.55	1.9749	0.0303	0.0	0.0	0.0	1.51E-07	1.86E-06	1.05E-05
14	11	63	64	29221.95	1	5063.97	1.9747	E0E0.0	0.0	0.0	1.42E-07	6.64E-06	7.94E-05	4.39E-04
15	12	55	56	29390.83	1	5064.32	1.9746	0.0303	0.0	0.0	1.49E-07	7.15E-06	8.68E-05	4.86E-04
16	13	46	47	25609.58	1	5066.28	1.9738	E0.E0.0	0.0	0.0	1.45E-07	7.16E-06	8.885-05	5.04E-04
12	9	77	78	28984.96		5066.50	1.9737	0.0303	0.0	0.0	1.08E-07	4.88E-06	5.70E-05	3.10E-04
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VU	٧L	JU	JL	LOWER' STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTEGRATI	ED ** ABSORF		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 150C	T = 2000	T = 2500	T = 3000	T = 3500
17	14	36	37	29967.39	1	5067.01	1.9736	8050.0	0.0	0.0	1.17E-07	6.11E-06	7.85E-05	4.57E-04
13	10	_	71	29022.55	1	5067.69	1.9733	E0E0.0	0.0	0.0	1.34E-07	6.07E-06	7.12E-05	3.89E-04
e		161	102	25051.07	1	5068.36	1.9730	C.0303	0.0	0.0	0.0	1.20E-06	1.41E-05	7.70F-05
11	8		84	28822.53		5072.27	1.9715	0.0303	0.0	0.0	9.11E-08	4.02E-06	4.63E-05	2.49E-04
9	6		96	26854.77		5073,16	1.9712	E050.0	0.0	0.0	4.53E-08	2.01E-06	2.32E-05	1.25E-04
15	12		55	29203.32		5073 <b>.</b> 27	1.9711	E0E0.0	0.0	0.0	1.69E-07	7.87E-06	9.405-05	5.19E-04
14	11		63	29006.93		5073.72	1.9709	0.0303	0.0	0.0	1.64E-07	7.43E-06	8.70E-05	4.74E-04
17	14		36	29844.47		5074.03	1.9708	0.0312	0.0	0.0	1.25E-07	6.41E-06	8.14E-05	4.70E-04
7	4	106		26999.19		5074.14	1.9708	E050.0	0.0	0.0	0.0	7.59E-07	8.88E-06	4.84E-05
16	13	45	46	29452.77		5074.32	1.9707	E0E0.0	0.0	0.0	1.60E-07	7.71E-06	9.43E-05	5.30E-04
10	7		90	26778.82		5074.48	1.9706	0.0303	0.0	0.0	7.10E-08	3.11F-06	3.57E-05	1.91E-04
4		121		29340.73		5077.21	1.9696	0.0303	0.0	0.0	0.0	6.61E-08	8.00E-07	4.46E-06
6		111		29029.84		5077.53	1.9695	0.0303	0.0	0.0	0.0	4.16E-07	4.89E-06	2.67E-05
12	9		77	28721.29		5077.64	1.9694	E0E0.0	0.0	0.0	1.29E-07	5.63E-06	6.41E-05	3.43E-04
13	10		70	28763.19		5078.14	1.9692	E0E0.0	0.0	0.0	1.57E-07	6.90E-06	7.91E-05	4.25E-04
5 17		116		29143.55		5078.55	1.9691	E0E0.0	0.0	0.0	0.0	1.89E-07	2.25E-06	1.24E-05
á	14		35	29724.80		5080.95	1.9681	0.0317	0.0	0.0	1.34E-07	6.72E-06	8.43E-05	4.83E-04
15	12			28702.89	-	5081.83	1.9678	EOE0.0	0.0	0.0	0.0	1.45E-06	1.65≝-05	8.81E-05
16	13	44	54 45	29019.00		5082.12	1.9677	0.0303	0.0	0.0	1.90E-07	8.65E-06	1.01E-04	5.53E-04
14		61		29299.19		5082.26	1.9676	0.0303	0.0	0.0	1.756-07	8.29E-06	9.99E-05	5.56E-04
11	1 i 8	82	62 83	28795.07		5063.37	1.9672	0.0303	0.0	0.0	1.88E-07	8.28E-06	9.51E-05	5.11E-04
9	6	94	95	28537.65		5084.0C	1.9670	0.0303	0.0	0.0	1.11E-07	4.70E-06	5.27E-05	2.78E-04
10	7	98	89	28527.61		5086.07	1.9662	0.0303	0.0	0.0	5.68E-08	2.40E-06	2.69E-05	1-42E-04
17	14	33	34	28472.78 29608.40		5086.80	1.9659	0.0303	0.0	0.0	8.79E-08	3.69E-06	4.11E-05	2.16E-04
7	4	105		28632.97		5087.77 5088.10	1.9655	1250.0	0.0	0.0	1.42E-07	7.02E-06	8.71E-05	4.95E-04
17	14	94	93	41818.97		5088.16	1.9654	E0E0.0	0.0	0.0	0.0	9.296-07	1.05E-05	5.58E-05
13	10	68	69	28546.96		5088.50	1.9653 1.9652	EOEO.O	0.0	0.0	0.0	5.886-08	2.35E-06	3.09E-05
12	Ğ	75	76	28460.70		5088.69	1.9651	0.0303 0.0303	0.0	0.0	1.84E-07	7.82E-06	8.77E-05	4.63E-04
16	1.3	43	44	25148.84		5090.10	1.9646	0.0303	0.0	0.0	1.55E-07	6.48E-06	7.21E-05	3.78E-04
15	12		53	28837.89	_	5090.88	1.9643	0.0303	0.0	0.0	1.92E-07	8.89E-06	1.06E-04	5.81E-04
6		110		28645.63		5091.97	1.9639	0.0303	0.0	0.0	2.14E-07 0.0	9.485-06	1.09E-04	5.89E-04
4	1	120		28920.75		5092.6C	1.9636	0.0303	0.0	0.0	0.0	5.16E-07 8.32E-08	5.84E-06 9.67E-07	3.10E-05
14	11	60	61	28586.38		5092.93	1.9635	0.0303	0.0	0.0	2.16E-07	9.22E-06	1.04E-04	5.24E-06 5.50E-04
5	2	115	116	28741.41	1	5093.46	1.9633	E0E0.0	0.0	0.0	0.0	2.37E-07	2.71E-06	1.456-05
17	14	22	33	29495.27	1	5094.49	1.9629	0.0326	0.0	0.0	1.508-07	7.31E~06	8.97E-05	5.06E-04
8	5	99	100	28357.62	1	5095.22	1.9626	0.0303	0.0	0.0	4.25E-08	1.75E-06	1.93E-05	1.01E-04
17	14	93	92	41526.67		5095.26	1.9626	0.0303	0.0	0.0	0.0	6.78E-08	2.64E-06	3.396-05
11	8	81	82	28255.82	1	5095.64	1.9625	0.0303	0.0	0.0	1.356-07	5.49E-06	5.98E-05	3.10E-04
16	13	42	43	25001.74	1	5097.85	1.9616	E050.0	0.0	0.0	2.10E-07	9.51E-06	1.116-04	6.07E-04
13	10	67	68	28313.86	1	5098.76	1.9613	0.0303	0.0	0.0	2.16E-07	8.84E-06	9.70E-05	5.04E-04
9	6	53	94	28203.41	1	5098.88	1.9612	0.0303	0.0	0.0	7.10E-08	2.87E-06	3.11E-05	1.61E-04
10	7	87	88	28169.73	1	5099.03	1.9612	E0E0.0	0.0	0.0	1.09E-07	4.37E-06	4.72E-05	2.43E-04
15	12	51	52	28659.99	1	5099.54	1.9610	0.0303	0.0	0.0	2.41E-07	1.04E-05	1.18E-04	6.26E-04
12	9	74	75	02.E0SBS		5099.64	1.9609	0.0303	0.0	0.0	1.84E-07	7.45E-06	8.08E-05	4.17E-04
17	14	31	32	29385.40		5101.11	1.9604	0.0331	0.0	0.0	1.58E-07	7.59E-06	9.22E-05	5.16E-04
7	4	104		28269.62	1	5101.97	1.9600	0.0203	0.0	0.0	0.0	1.14E-06	1.24E-05	6.43E-05
17	14	92		41237.09	1	5102.25	1.9559	E0E0.0	0.0	0.0	0.0	7.80E-08	2.96E-06	3.73E-05
14	11	59	60	26360.87	1	5102.40	1.9599	E0E0.0	0.0	0.0	2.47E-07	1.025-05	1.13E-04	5.91F-04
16	13	41	42	28857.89		5105.50	1.9587	E0E0.0	0.0	0.0	2.29E-07	1.02E-05	1.17E-04	6.33E-04
6		105		26264.23		5106.32	1.9584	E050.0	C • O	0.0	0.0	6.38E-07	6.96E-06	3.61E-05
11	e	20	81	27977.05		5107.19	1.9580	EQEQ.0	0.0	0.0	1.648-07	6.39E-06	6.798-05	3.45E-04
17	14	30	31	29278.82	1	5107.64	1.9579~	0.0335	0.0	0.0	1.67E-07	7.86E-06	9.45E-05	5.25E-04

νυ	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENCTH	HALF WIDTH	*****	** INTEGRATI	ED ** ABSDRI CM*Gi		EFFICIENT *	*****
				ENERGY		CN-1	MICRON	H2	T = 1000	T = 1500	T = 200C	T = 2500	T = 3000	T = 3500
4		119	120	28503.48	1	5107.90	1.9578	0.0303	0.0	0.0	0.0	1.04E-07	1.17E-06	6.15E-06
15	12	50	51	28485.31	1	5107.90	1.9576	E0E0.0	0.0	0.0	2.69E-07	1.13E-05	1.26E-04	6.64E-04
5		114		26342.04	i	5108.29	1.9576	0.0303	0.0	0.0	0.0	2.97E-07	3.26E-06	1.70E-05
a	5	98	99	28015.28	ī	5108.52	1.9575	E0E0.0	0.0	0.0	5.38E-08	2.12E-06	2.26E-05	1.15E-04
13	10	66	67	28083.91	1	5108.92	1.9574	E0E0.0	0.0	0.0	2.51E-07	9.98E-06	1.07E-04	5.48E-04
17	14	91	90	40950.24	1	5109.11	1.9573	EQE0.0	0.0	0.0	0.0	8.96E-08	3.30E-06	4.08E-05
12	9	73	74	27948.82	1	5110.50	1.9568	E0E0.0	0.0	0.0	2.19E-07	8.54E-06	9.048-05	4 •5 9E-04
10	7	86	87	27869.71	1	5111.16	1.9565	E0E0.0	0.0	0.0	1.34E-07	5.15E-06	5.42E-05	2.73E-04
9	6	92	93	27882.18	1	5111.6C	1.9563	E0E0.0	0.0	0.0	8.86E-08	3.42E-06	3.598-05	1.81E-04
14	11	56	55	28178.56	1	5111.77	1.9563	6.0303	0.0	0.0	2.83E-07	1.14E-05	1.236-04	6.36E-04
16	1.3	40	41	28717.30	1	5113.05	1.9558	0.0303	0.0	0.0	2.49E-07	1.08E-05	1.23E-04	6.59E-04
17	14	25	30	29175.52	1	5114.06	1.9554	04E0.0	0.0	0.0	1.75E-07	8.11E-06	9.66E-05	5.33E-04 7.40E-05
7	4	103		27909.14	1	5115.75	1.9547	E0E0.0	0.0	0.0	0.0	1.39E-06	1.46E-05 3.69E-06	4.47E-05
17	14	90	89	40666.15	1	5115.86	1.9547	0.0303	0.0	0.0	0.0	1.03E-07 1.23E-05	1.35E-04	7.03E-04
15	12	49	50	28313.87	1	5116.57	1.9544	0.0303	0.0	0.0	3.00E-07 1.98E-07	7.43E-06	7.695-05	3.83E-04
11	3	75	80 66	27701.36 27857.12	1	5118.65 5119.00	1.9536 1.9535	0.0303 0.0303	0.0	0.0	2.93E-07	1.12E-05	1.18E-04	5.95E-04
13 17	10	6E 28	29	29075.50	1	5119.00	1.9530	0.0359	0.0	0.0	1.83E-07	8.38E-06	9.89E-05	5.42E-04
16	13	39	40	26579.97	1	5120.50	1.9529	E0E0.0	- ō.o	0.0	2.69E-07	1.15E-05	1.29E-04	6.84E-04
6	3	108		27865.68	î	5120.58	1.9529	0.0303	0.0	0.0	0.0	7.878-07	8.29E-06	4.19E-05
14	11	57	56	27979.44	1		1.9527	0.0303	0.0	0.0	3.23E-07	1.27E-05	1.34E-04	6.83E-04
12	9	72	73	27697.55	ī	5121.27	1.9526	0.0303	0.0	0.0	2.60E-07	9.78E-06	1.01E-04	5.04E-04
e	5	97	98	27675.87	1	5121.73	1.9525	E0E0.0	0.0	0.0	6.81E-08	2.55E-06	2.63E-05	1.31Ĕ-04
17	14	29	88	40384.82	1	5122.49	1.9522	0.0303	0.0	0.0	0.0	1.185-07	4.14E-06	4.92E-05
5	2	113	114	27945.45	1 -	5123.03"	179520	EÕEÕ; O	0.0	0.0	0.0	3.70E-07	3.92E-06	1.99E-05
4	1	118	119	28088.95	1	5123.11	1.9519	E0E0.0	0.0	0.0	0.0	1.326-07	1.42E-06	7.25E-06
10	7	88	86	27572.73	1	5123.21	1.9519	E0E0.0	0.0	0.0	1.65E-07	6.08E-06	6.21E-05	3.07E-04
9	6	91	92	27563.95	1	5124.23	1.9515	E0E0.0	0.0	0.0	1.10E-07	4.06E-06	4.15E-05	2.05E-04
15	12	46	49	26145.66	1	5124.93	1.9512	E0E0.0	0.0	0.0	3.34E-07	1.34E-05	1.45E-04	7.44E-04
17	14	27	28	26978.78	1	5126.61	1.9506	0.0379	0.0	0.0	1.91E-07	8.63E-06	1.01E-04 1.35E-04	5.49E-04 7.09E-04
16	13	3 €	39	28445.91	1	5127.85	1.9501	E0E0.0	0.0" 0.0	0.0	2.91E-07 3.40E-07	1.22E-05 1.26E-05	1.30E-04	6.45E-04
13	10	64	65	27633.50 40106.27	1	5128.97	1.9497 1.9497	0.0303	<b>0.0</b>	0.0	0.0	1.36E-07	4.63E-06	5.41E-05
17	14	88	<b>87</b>	27551.57	1	5129.00 5129.44	1.9497	0.0303	0.0	0.0	4.60E-08	1.69E-06	1.72E-05	8.51E-05
7 11	4 E	102	79	27428.76	1	5130.01	1.9493	E0E0.0	0.0	0.0	2.395-07	8.63E-06	8.69E-05	4.26E-04
14	11	56	57	27783.53	1	5130.22	1.9492	0.0303	0.0	0.0	3.68E-07	1.40E-05	1.46E-04	7.33E-04
16	13	99	98	41685.60	î	5130.74		E0E0.0	0.0	0.0	0.0	5.81E-08	2.30E-06	2.99E-05
12	9	71	72	27449.42	1	5131.95	1.9486	0.0303	0.0	0.0	3.08E-07	1.125-05	1.13E-04	5.53E-04
17	14	26	27	28865.35	1	5132.73	1.9483	°0.0398	0.0	0.0	1.99E-07	8.85E-06	1.03E-04	5.55E-04
15	12	47	48	27980.70	1	5133.21	1.9481	E0E0.0	0.0	0.0	3.71E-07	1.45E-0Š	1.54E-04	7.85E-04
6		107	108	27509.97	1	5134.75	1.9475	E0E0.0	0.0	0.0	0.0	9.70E-07	9.86E-06	4.85E-05
8	5	56	97	27339.41	1	5134.85	1.9475	5050.0	C • O	0.0	8.59E-08	3.07E-06	3.06E-05	1.49E-04
16	13	37	38	28315.13	1	5135.11	1.9474	0.0303	0.0	0.0	3.13E-07	1.28E-05	1.41E-04	7.33E-04
10	7	84	85	27278.79	1	5135.16	1.9474	E0E0.0	0.0	0.0	2.02E-07	7.15E-06	7.10E-05	3.44E-04
17	14	87	86	39830.51	1	5135.40	1.9473	0.0303	0.0	0.0	0.0	1.56E-07	5.18E-06	5.93E-05
9	6	90	91	27248.71	1	5136.77	1.9467	0.0303	0.0	0.0	1.37E-07	4.82E-06	4.776-05	2.31E-04
5		112		27551.67	1	5137.68	1.9464	0.0303	0.0	0.0	0.0	4.62E-07 1.66E-07	4.71E-06 1.72E-06	2.32E-05 8.54E-06
4		117		27677.16	1	5138.24	1.9462	E0E0.0	0.0	0.0	0.0	6.78E-08	2.60E-06	3.31E-05
16	13	9.8	97	41376.48	1	5138.40	1.9461	0.0303 0.0418	0.0 0.0	0.0	2.06E-07	9.06E-06	1.04E-04	5.60E-04
17 13	14	25 63	26 64	28795.22 27413.06	1 1	5138.75 5138.86	1.9460	0.0303	0.0	0.0	3.93E-07	1.425-05	1.43E-04	6.98E-04
14	11	65	56	27550.84	ì	5139.30	1.9458	0.0303	0.0	0.0	4.19E-07	1.55E-05	1.59E-04	7.856-04
11	8	77	78	27159.25		5141.28	1.9450	EOEOLO	0.0	0.0	2.876-07	9.99E-06	9.81E-05	4.72E-04
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VU	٧L	JU	JL	LOWER STATE	CODE	WAVE REBMUA	WAVE LENCTH	HALF WIDTH			ED ** ABSORF CM*GN	( <b>– 1</b>	EFFICIENT *	*****
				ENERGY		CM-1	MICHEN	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
15	ı 2	46	47	27818.98	1	5141.38	1.9450	0.0303	0.0	0.0	4.11E-07	1.57F-05	1.64E-04	8.26E-04
17	14	86	85	39557.56	1	5141.68	1.9445	C.0303	0.0	0.0	0.0	1.79E-07	5.79E-06	6.50E-05
16	13	36	37	28187.63	1	5142.26	1.9447	9050.0	0.0	0.0	3.36E-07	1.35E-05	1.47E-04	7.57E-04
12	9	7 C	71	27204.43	1	5142.53	1.9446	0.0303	0.0	0.0	3.64E-07	1.27E-05	1.26E-04	6.05E-04
7	4	101	102	27196.90	1	5143.05	1.9444	0.0303	0.0	0.0	5.88E-C8	2.06E-06	2.036-05	9.77E-05
17	14	24	25	26708.40	1	5144.67	1.9438	0.0437	0.0	0.0	2.12E-07	9.23E-06	1.05E-04	5.62E-04
16	13	97	96	41070.04	1	5145.94	1.9433	0.0303	0.0	0.0	0.0	7.896-08	2.94E-06	3.67E-05
10	7	€3	84	26567.90	1	5147.03	1.9429	0.0303	C • O	0.0	2.47E-07	8.39F-06	8.11E-05	3.85E-04
17	14	85	84	39287.42	ı	5147.84	1.9426	E0E0.0	0.0	0.0	0.0	2.056-07	6.45E-06	7.12E-05
8	5	95	96	27005.92	1	5147.88	1.9425	0.0303	C.O	0.0	1.08E-07	3.68E-06	3.56E-05	1.70E-04
14	11	54	55	27401.37	1	5148.29	1.9424	0.0303	0.0	0.0	4.74E-07	1.716-05	1.72E-04	8.39E-04
13	1 C	62	63	27195.80	1	5148.64	1.9423	0.0303	C.O	0.0	4.54E-07	1.598-05	1.57E-04	7.54E-04
6	3	106	107	27137.13	1	5148.84	1.9422	0.0303	0.0	0.0	0.0	1.196-06	1.17E-05	5.62E-05
9	6	88	90	26936.49	1	5149.22	1.9420	0.0303	C • O	0.0	1.69E-07	5.71E-06	5.49E-05	2.60E-04
16	13	35	36	26063.42	1	5149.32	1.9420	0.0312	0.0	0.0	3.59E-07	1.426-05	1.52E-04	7.80E-04
15	12	45	46	27660.53	1	5149.46	1.9420	E0E0.0	0.0	0.0	4.53F-07	1.69E-05	1.75E-04	8.69E-04
17	14	23	24	28624.89	1	5150.49	1.9416	0.0457	0.0	0.0	2.18E-07	9.38E-06	1.06E-04	5.64E-04
5	2	111	112	2716C.71	1	5152.25	1.9409	E050.0	C • O	0.0	0.0	5.74E-07	5.64E-06	2.71E-05
11	3	76	77	26892.85	1	5152.46	1.94CE	E0E0.0	0.0	0.0	3.45E-07	1.15E-05	1.11E-04	5.22E-04
12	9	69	70	26962.59	1	5153.01	1.9406	0.0303	0.0	0.0	4.28E-07	1.45E-05	1 . 40E-04	6.62E-04
4		116		27268.14	1	5153.28	1.9405	0.0303	0.0	0.0	0.0	2.09E-07	2.08E-06	1.01E-05
16	13	56	95	40766.30	1	5153.36	1.9405	E0E0.0	0.0	0.0	0.0	9.17E-08	3.32E-06	4.06E-05
17	14	24	63	39020.11	1	5153.88	1.9403	E0E0.0	0.0	0.0	0.0	2.34E-07	7.18E-06	7.78E~05
8	5	88	89	23934.27	2	5155.02	1.9399	0.0303	0.0	0.0	0.0	2.10E-07	1.51E-06	5.83E-06
17	14	22	23	26544.68	1	5156.21	1.9354	0.0476	0.0	0.0	2.24E-07	9.49E-06	1-06E-04	5.63E-04
16	13	34	35	27942.50	1	5156.28	1.9394	0.0317	0.0	0.0	3.83E-07	1.49E-05	1.58E-04	8.01E-04
7	4		101	26845.17	1	5156.57	1.9353	0.0303	0.0	0.0	7.51E-08	2.50E-06	2.38E-05	1.12E~04
14	11	53	54	27215.13	1	5157.18	1.9390	0.0303	0.0	0.0	5.36E-07	1.88E-05	1.86E-04	8.96E-04
15	12	44	45	27505.34	1	5157.44	1.9289	0.0303	0.0	0.0	4.995-07	1.82E-05	1.85E-04	9-12E-04
13	10	61	62	26981.75	1	5158.34	1.9386	0.0303	0.0	0.0	5.238-07	1.77E-05	1.71E-04	8.14E-04
10	7	- €2	83	26700.09	1	5158.80	1.9384	E0E0.0	0.0	0.0	3.02E-07	9.83E-06	9.24E-05	4.31E-04
17	14	. 83	82	38755.64	1	5159.81	1.9381	0.0303	0.0	0.0	0.0	2.67F-07	7.98E-06	8.49E-05
` 16	13	95	94	40465.28	1	5160.67	1.9377	E050.0	0.0	0.0	0.0	1.06E-07	3.75E-06	4.48E-05
8	5	94	95	26675.41	1	5160.82	1.9377	0.0303	0.0	0.0	1.36E-07	4.41E-06	4.146-05	1.92E-04
9	6	88	89	26627.30	1	5161.57	1.9374	0.0303	0.0	0.0	2.10E-07	6.78E-06	6.33E-05	2.93E-04
17	14	21	22	26467.79	1	5161.83	1.9373	0.0496	0.0	0.0	2.28E-07	9.57E-06	1.07E-04	5.60E-04
6		105	106	26767.18	1	5162.84	1.9369	E0E0.0	0.0	0.0	4.46E-08	1.47E-06	1.39E-05	6.49E-05
16	13	33	34	27824.87	1	5163.14	1.9368	0.0321	0.0	0.0	4.07E-07	1.56E-05	1.63E-04	8.21E-04
12	9	68	69	26723.91	1	5163.41	1.9367	0.0303	0.0	0.0	5.03E-07	1.64E-05	1.55E-04	7.23E-04
11	8	75	76	26629.57	1	5163.54	1.9367	0.0303	0.0	0.0	4.135-07	1.336-05	1.24E-04	5.77E-04
15	12	43	44	27353.43	1	5165.32	1.9360	E0E0.0	0.0	0.0	5.47E-07	1.96E-05	1.96E-04	9.55E-04
17	14	82	81	38494.02	1	5165.62	1.9359	0.0303	0.0	0.0	0.0	3.04E-07	8.85E-06	9.25E-05
14	11	52	53	27032.14	1	5165.97	1.9357	0.0303	0.0	0.0	6.04E-07	2.06E-05 .		9.55E-04
8	5	87	88	23637.53	2	5166.62	1.9355	0.0303	0.0	0.0	0.0	2.48E-07	1.74E-06	6.55E-06
. 5			111	26772.58	1	5166.72	1.9355	0.0303	0.0	0.0	0.0	7.13E-07	6.75E-06	3.16E-05
17 3	14	20 120	21	28394.22	1	5167.35	1.9352	0.0515	0.0	0.0	2.31E-07	9.61E-06	1.06E-04	5.56E-04
			121	27035.63	1	5167.38	1.9352	0,0303	0.0	0.0	0.0	5.77E-08	5.60E-07	2.67E-06
16	13	94	93	40167.00	1	5167.85	1.9350	0.0303	0.0	0.0	0.0	1.23E-07	4.22E-06	4.94E-05
13	10	60	61	26770.90	1	5167.93	1.9350	0.0303	0.0	0.0	6.01E-07	1.985-05	1 . 87E-04	8.76E-04
16	1	115	33	26861.92	1	5168.23	1.9349	0.0303	0.0	0.0	0.0	2.63E-07	2.51E-06	1.186-05
16 7	4		100	27710.55	1	5169.90	1.9343	0.0326	0.0	0.0	4.31E-07	1.62E-05	1 . 68E-04	8-40E-04
10	7	81	82	26496.37	1	5169.99	1.9342	0.0303	0.0	0.0	9.57E-08	3.03E-06	2.79E-05	1.28E-04
10	•	61	02	26415.37	1	5170.48	1.9341	0.0303	0.0	0.0	3.68E-07	1.156-05	1.05E-04	4.81E-04

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE . LENGTH .	HAŁF Width	*****	** INTEGRATI	ED ** ABSOR		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	н2	T = 1000	T = 1500	T = 2000	T = 2500	000E = T	T = 3500
17	14	٤1	80	38235.27	1	5171.32	1.9337	0.0303	0.0	0.0	C+0	3.45E-07	9.80E-06	1.01E-04
17	14	19	20	26323.98	1	5172.7€	1.9332	0.0535	0.0	0.0	2.34E-07	9.61E-06	1.06E-04	5.50E-04
15	12	42	43	27204.80	1	5173.10	1.9331	0.0303	0.0	0.0	5.99E-07	2.10E-05	2.07E-04	9.98E-04
8	5	93	94	26347.89	1	5173.67	1.9329	0.0303	0.0	0.0	1.70E-07	5.28E-06	4.80E-05	2.18E-04
12	S	67	68	26468.41	1	5173.70	1.9329	E0E0.0	0.0	0.0	5.90E-07	1.86E-05	1.72E-04	7.88E-04
9	6	٤7	88	26321.15	1	5173.84	1.9328	C.0303	0.0	0.0	2.61E-07	8.04E-06	7.29E-05	3.31E-04
1.1	8	74	75	26369.43	1	5174.54	1.9325	0.0303	0.0	0.0	4.94E-07	1.53E-05	1.40E-04	6.36E-04
14	11	51	52	26852.39	ì	5174.66	1.9325	E0E0.0	0.0	0.0	6.79E-07	2.26F-05	2.16E-04	1.02E-03
16	13	E2	52	39871.45	1	5174.92	1.9324	E0E0.0	0.0	0.0	0.0	1.42E-07	4.74E-06	5.44E-05
16	13	31	32	27599.54	1	5176.55	1.9318	0.0331	0.0	0.0	4.56E-07	1.696-05	1.73E-04	6.58E-04
6	3	104		26400.13	Ł	5176.75	1.9317	E0E0.0	G.O	0.0	5.76E-08	1.80E-06	1.64E-05	7.495-05
17	14	60	79	37979.39	1	5176.90	1.9317	E0E0.0	0.0	0.0	0.0	3.90€~07	1.08E-05	1.09E-04
13	10	59	60	26563.26	1	5177.44	1.9315	0.0303	0.0	0.0	6.89E-07	2.20E-05	2.C4E-04	9.42E-04
17	14	18	19	28257.05	1	5178.06	1.9312	0.0552	0.0	0.0	2.35E-07	9.56E-06	1.04E-04	5.41E-04
e	5	66	87	23343.78	2	5178.13	1.9312	0.0303	0.0	0.0	0.0	2.926-07	1.99E~06	7.35E-06
15		103		41301.83	1	5179.09	1.9308	0.0303	0.0	0.0	0.0	6.35E-08	2.42E-06	3.07E-05
15	12	41	42	27059.45	1	5180.78	1.9302	0.0303	0.0	0.0	6.53E-07	2.246-05	2.18E-04	1.04E-03
5		109		26387.31	1	5181.11	1.9301	E0E0.0	0.0	0.0	0.0	8.84E-07	8.07E-06	3.68E-05
16	13	92	91	39578.67	1	5181.87	1.9298	E0E0.0	0.0	0.0	0.0	1.64E-07	5.31E-06	5.98E-05
10	7	23	81	26133.74	1	5182.06	1.9257	E0E0.0	0.0	0.0	4.47E-07	1.34E-05	1.20E-04	5.36E-04
17	14	75	78	37726.41	1	5182.36	1.9296	0.0303	0.0	0.0	0.0	4.41E-07	1.20E-05	1.19E-04
3		119		26614.14	1	5182.72	1.9255	0.0303	0.0	0.0	0.0	7.26E-08	6.77E-07	3.14E-06
4			115	26458.50	1	5183.10	1.9293	E0E0.0	0.0	0.0	0.0	3.296-07	3.03E-06	1.39E-05
16	13	30	31	27451.84	1	5183.11	1.9293	0.0335	0.0	0.0	4.80E-07	1.756-05	1.78E-04	8.74E-04
14 17	11	50 17	51 18	26675.90 28193.46	1	5183.26	1.9293	0.0303 0.0568	0.0	0.0	7.61E-07	2.47E-05	2.32E-04	1.08E-03
7	4	58	99	26150.54	1	5183.29	1.9293		0.0	0.0	2.35E-07	9.478-06	1.03E-04	5.30E-04
12	9	66	67	26256.09	1	5183.33	1.9293	E0E0.0	0.0	0.0	1.22E-07	3.66E-06	3.27E-05	1.47E-04
11	8	73	74	26112.42	1	5183.91 5185.43	1.9290 1.9285	0.0303 E0E0.0	0.0	0.0	6.89E-07	2.11E-05	1.90E-04	8.58E-04
9	6	86	87	26018.06	1	5186.02	1.9283	0.0303	0.0 C.0	0.0	5.89E-07 3.22E-07	1.76E-05 9.51E-06	1.57E-04 8.38E-05	7.01E-04
é	5	92	52	26023.39	î	5186.43	1.9281	Ç.0303	0.0	0.0	2.13E-07	6.30E-06	5.55E-05	3.73E-04 2.47E-04
13	10	5 8	59	26358.85	i	5186.84	1.9280	0.0303	0.0	0.0	7.90E-07	2.45E-05	2.23E-04	1.02E-03
15		102		40978.54	ī	5187.19	1.9278	0.0303	0.0	0.0	0.0	7.48E-08	2.77E-06	3.43E-05
17	14	78	77	37476.32	ī	5187.71	1.9276	0.0303	0.0	0.0	0.0	4.98E-07	1.32E-05	1.28E-04
15	12	40	41	26917.39	1	5108.37	1.9274	E0E0.0	0.0	0.0	7.11E-07	2.39E-05	2.29E-04	1.08E-03
17	14	16	17	28133.20	1	5188.40	1.9274	0.0585	0.0	0.0	2.33E-07	9.33E-06	1.01E-04	5.18E-04
16	13	91	90	39288.66	1	5188.7¢	1.9273	E0E0.0	0.0	0.0	0.0	1.89E-07	5.95E-06	6.56E-05
e	5	€5	86	23053.02	2	5189.55	1.9270	C.0303	0.0	0.0	0.0	3.43E-07	2.27E-06	8.23E-06
16	13	29	30	27387.45	i	5189.57	1.9269	0.0340	0.0	0.0	5.03E-07	1.815-05	1-82E-04	8.87E-04
6	3	103	104	26035.98	i.	5190.57	1.9266	0.0303	0.0	0.0	7.43E-08	2.20E-06	1.94E-05	8.64E-05
7	4	<b>S1</b>	92	22966.86	2	5191.60	1.9262	0.0303	0.0	0.0	0.0	2.21F-07	1.45E-06	5.24E-06
14	11	49	50	26502.68	1	5191.77	1.9261	E0E0.0	0.0	0.0	8.51E-07	2.69E-05	2.49E-04	1.145-03
17	14	77	76	37229.15	1	5192.95	1.9257	0.0303	0.0	0.0	0.0	5.61E-07	1.45E-05	1.39E-04
17	14	15	16	26076.27	1	5193.41	1.9255	0.0591	0.0	0.0	2.30E~07	9.15E-06	9.82E-05	5.03E-04
10	7	79	80	25855.22	1	5193.56	1.9255	0.0303	0.0	0.0	5.42E-07	1.56E-05	1.36E-04	5.96E-04
12	9	65	66	26026.96	1	5194.02	1.9253	0.0303	0.0	0.0	8.04E-07	2.386-05	2-10E-04	9.33E-04
15		101	100	40657.92	1	5195.18	1.9249	E0E0.0	0.0	0.0	0.0	8.79E-08	3.15E-06	3.83E-05
5	_		109	26004.91	1	5195.41	1.9248	0.0303	0.0	0.0	0.0	1.09E-06	9.63E-06	4.28E-05
16	13	50	85	39001.43	1	5195.42	1.9248	0.0303	0.0	0.0	0.0	2.17E-07	6.646-06	7.196-05
15	12	39	40	26778.63	1	5195.86	1.9246	0.0303	0.0	0.0	7.71E-07	2.54E-05	2.41E-04	1.13E-03
16	13	26	29	27286.39	1	5195.93	1.9246	0.0359	0.0	0.0	5.27E-07	1.87E-05	1.86E-04	9.02E-04
13	10	57	58	26157.68	1	5196.15	1.9245	E0E0.0	0.0	0.0	9.C4E-07	2.725-05	2.43E-04	1.096-03
11	ε	72	73	25858.57	1	5196.24	1.9245	E0E0.0	0.0	0.0	7.00E-07	2.02E-05	1.75E-04	7.71E-04

٧u	٧L	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE Length	HALF WICTH			D ** ABSORF	-1		******
				ENERGY		CH-1	MICRON	н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
									•					
7	4		98	25807.67		5196.58	1.9243	E0E0.0	0.0	0.0	1.54E-07	4.42E-06	3.82E-05	1.67E-04
4		113		26057.89		5197.87	1.9239	E0E0.0	0.0	0.0	0.0	4.12E-07	3.65E-06	1.63E-05
3		116	_	26195.41		5197.97	1.9238	E0E0.0	0.0	0.0	0.0	9.19E-08	8.24E-07	3.71E-06
17	14		75	36984.90		5198.06	1.9238	E0E0.0	G • O	0.0	0.0	6.30E-07	1.59E-05	1.50E-04
9	6	85	86	25718.04		5198.10	1:9238	0.0303	0.0	0.0	3.97E-07	1.12E-05	9.61E-05	4.19E-04
17	14		15	26022.67		5198.32	1.9237	0.0597	0.0	0.0	2.26E-07	8.91E-06	9.52E-05	4.86E-04
8	5	91	92	25701.90		5199.10	1.9234	E0E0.0	0.0	0.0	2.66E-07	7.50E-06	6.41E-05	2.79E-04
14	11		49	26332.73		5200.17	1.9230	0.0303	0.0	0.0	9.48E-07	2.93E-05	2.66E-04	1.21E-03
8	5		85	22765.26		5200.89	1.9227	E0E0.0	0.0	0.0	0.0	4.02E-07	2.59E-06	9.21E-06
16		. 68	88	38717.00		5202.02	1.9223	E0E0.0	0.0	0.0	0.0	2.51F-07	7.46E-06	7.93E-05
16	13	27	28	27188.66		5202.19	1.9223	0.0379	0.0	0.0	5.51E-C7	1.93E~05	1.90E-04	9.15E-04
15		100	99	40339.98		5203.04	1.9220	E0E0.0	0.0	0.0	0.0	1.03E-07	3.59E-06	4.26E-05
17	14	75	74	36743.59		5203.06	1.9219	E0E0.0	0.0	0.0	0.0	7.07E-07	1.74E-05	1.62E-04
17	14	13	14	27972.41		5203.12	1.9219	0.0604	0.0	0.0	2.21E-07	8.63E-06	9.17E-05	4.66E-04
15	12	3.5	39	26643.18		5203.25	1.9219	E0E0.0	0.0	0.0	8.33E-07	2.69E-05	2.52E-04	1.176-03
7	4	90	91	22678.24	2	5203.49	1.9218	E0E0.0	0.0	0.0	0.0	2.61E-07	1.67E-06	5.89E-06
12	9	64	65	25801.04	1	5204.03	1.9216	C.0303	0.0	0.0	9.35E-07	2.68E-05	2.31E-04	1.01E-03
6	Э	102	103	25674.78	1	5204.30	1.9215	0.0303	0.0	0.0	9.55E-08	2.69E-06	2.296-05	9.95E-05
10	7	7€	79	25579.82	· 1	5204.96	1.9212	E0E0.0	0.0	0.0	6.55E-07	1.82E-05	1.54E-04	6.63E-04
13	10	56	57	25959.75	1	5205.37	1.9211	E0E0.0	0.0	0.0	1.03E-06	3.02E-05	2.65E-04	1.17E-03
1.1	8	71	72	25607.89	1	5206.95	1.9205	0.0303	0.0	0.0	8.30E-07	2.31E-05	1.96E-04	8.47E-04
17	14	12	13	27925.50	1	5207.82	1.9202	0.0610	0.0	0.0	2.13E-07	8.30E-06	8.78E-05	4.45E-04
17	14	74	73	36505.22	1	5207.95	1.9201	E0E0.0	0.0	0.0	0.0	7.92E-07	1.91E-05	1.745-04
16	13	26	27	27094.25	1	5208.35	1.9200	0.0398	0.0	0.0	5.74E-07	1.985-05	1.93E-04	9.26E-04
14	11	47	48	26166.05	1	5208.48	1.9199	0.0303	0.0	0.0	1.05E-06	3.18E-05	2.84E-04	1.286-03
16	13	88	87	38435.39	1	5208.50	1.9199	0.0303	0.0	0.0	0.0	2.89E-07	8.37E-06	8.72E-05
5	2	107	108	25625.40	1	5209.63	1.9155	E0E0.0	0.0	0.0	4.845-08	1.35E-06	1.15E-05	4.97E-05
7	4	96	97	25467.79	1	5209.74	1.9195	E0E0.0	0.0	0.0	1.956-07	5.33E-06	4.45E-05	1.91E-04
9	6	€4	85	25421.09	1	5210.09	1.9194	E0E0.0	0.0	0.0	4.88E-07	1.325-05	1.10E-04	4.70E-04
15	12	37	38	26511.04	1	5210.54	1.9192	0.0303	0.0	0.0	8.986-07	2.856-05	2.63E-04	1.21E-03
15	12	55	98	40024.73	1	5210.79	1.9191	C.0303	0.0	0.0	0.0	1.21E-07	4.08E-06	4.74E-05
8	5	90	91	25383.46	1	5211.67	1.9188	0.0303	0.0	0.0	3.31E-07	8.92E-06	7.40E-05	3.156-04
8	5	E3	84	22480.53	2	5212.15	1.9186	E050.0	0.0	0.0	0.0	4.71E-07	2.95E-06	1.03E-05
17	14	11	12	27881.92	1	5212.42	1.9185	0.0617	0.0	0.0	2.05E-07	7.91E-06	8.34E-05	4.216-04
4	1	112	113	25660.13		5212.57	1.9184	0.0303	0.0	0.0	0.0	5.15E-07	4.38E-06	1.906-05
17	14	73	72	36269.81	1	5212.72	1.9184	0.0303	0.0	0.0	0.0	8.84E-07	2.08E-05	1.87E-04
3	0	117	118	25779.47		5213.14	1.9182	0.0303	0.0	0.0	0.0	1.16E-07	1.00E-06	4.38E-06
12	9	63	64	25578.32		5213.95	1.9179	0.0303	0.0	0.0	1.08E-06	3.01E-05	2.54E-04	1.10E-03
16	13	25	26	27003.18		5214.41	1.9178	0.0418	0.0	0.0	5.956-07	2.03E-05	1.96E-04	9.34E-04
13	10	55	56	25765.06		5214.49	1.9177	E0E0.0	0.0	0.0	1.17E-06	3.34E-05	2.885~04	1.265-03
16	13	87	86	38156.60		5214.86	1.9176	0.0303	0.0	0.0	0.0	3.32E-07	9.38E-06	9.58E-05
7	4	23	90	22372.60	2	5215.29	1.9174	0.0303	0.0	0.0	0.0	3.08E-07	1.91E-06	6.61E-06
10	7	77	78	25307.56		5216.27	1.9171	0.0303	0.0	0.0	7.91E-07	2.11E-05	1.745-04	7.35E-04
14	11	46	47	26002.67		5216.69	1.9169	E0E0.0	0.0	0.0	1.17E-06	3-446-05	3.03E-04	1.35E-03
17	14	10	11	27841.70		5216.92	1.9168	0.0625	0.0	0.0	1.95E-07	7.48E-06	7.85E-05	3.96E-04
17	14	72	71	36037.37		5217.38	1.9167	E0E0.0	0.0	0.0	0.0	9.865-07	2.27E-05	
11	e	70	71	25360.39		5217.57	1.9166	0.0303	0.0	0.0	9.82E-07			2.01E-04
15	12	36	37	26382.21		5217.73	1.9165	0.0303	0.0	0.0	9.65E-07	2.64E-05	2.185-04	9.29E-04
6	3	101		25316.52		5217.95	1.9165	E0E0.0	0.0	0.0	1.23E-07	3.00E-05	2.74E-04	1.256-03
15	12	se	97	39712.19		5218.42	1.9163	0.0303	0.0	0.0	0.0.	3.27E-06	2.70E-05	1.14E-04
16	13	24	25	26915.45		5220.36	1.9163	0.0303	0.0	0.0		1.41E-07	4.63E-06	5.26E-05
16	13	E 6	85	37880.65		5221.11	1.9153	0.0303	0.0		6.15E-07	2.07E-05	1.98E-04	9.39E-04
17	14	S	10	27804.81		5221.31	1.9152	0.0624	0.0	0.0 0.0	0.0	3.81E-07	1.05E-05	1.05E-04
	- •	_	- 4		•	~~~~		430010	0.0	0.0	1.83E~07	7.00E-06	7.32E-05	3.68E-04

# MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE

VU	٧L	าก	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE Length	HALF WIDTH	*****	** INTECRAT	EC ** ABSOR CM*G		EFFICIENT *	*****
				ENERGY		CM-1	MICRGN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
17	14	71	70	35807.91	1	5221.92	1.9150	0.0303	0.0	0.0	0.0	1.10E-06	2.47E-05	2.15E-04
9	6	E.S	84	25127.25	1	5221.99	1.9150	0.0303	0.0	0.0	5.99E-07	1.56E-05	1.26E-04	5.27E-04
7	4	96	96	25130.91	1	5222.80	1.9147	0.0303	0.0	0.0	2.47E-07	6.41E-06	5.19E-05	2.17E-04
8	5	82	83	22198.82	2	5223.31	1.9145	0.0303	0.0	0.0	0.0	5.50E-07	3.35E-06	1.15E-05
13	10	54	55	25573.64	1	5223.51	1.9144	E0E0.0	0.0	0.0	1.33E-06	3.69E-05	3.12E-04	1.35E-03
5	2	106	107	25248.79	1	5223.75	1.9143	E0E0.0	0.0	0.0	6.30E-08	1.67E-06	1.36E-05	5.76E-05
12	9	62	63	25358.84	1	5223.78	1.9143	0.0303	0.0	0.0	1.25E-06	3.37E-05	2.79E-04	1.195-031
8	5	89	90	25068.06	1	5224.16	1.9142	0.0303	0.0	0.0	4.11E-07	1.06E-05	8.52E-05	3.55E-04
14	11	45	46	25842.57	1	5224.80	1.9139	E0E0.0	0.0	0.0	1.29E-06	3.72E-05	3.22E-04	1.42E-03
15	12	35	36	26256.71	1	5224.82	1.9139	0.0312	0.0	0.0	1.03E-06	3.16E-05	2.85E-04	1.29E-03
17	14	٤	S	27771.27	1	5225.60	1.9137	0.0624	0.0	0.0	1.70E-07	6.47E-06	6.74E-05	3.38E-04
15	12	97	96	39402.37	1	5225.93	1.9135	C.0303	0.0	0.0	0.0	1.65E-07	5.24E-06	5.846-05
14	11	107	106	40963.32	1	5225.99	1.9135	C.0303	0.0	0.0	0.0	6.62E-08	2.45E-06	3.03E-05
16	13	23	24	26831.07	1	5226.22	1.9134	0.0457	0.0	0.0	6.33E-07	2.10E-05	2.00E-04	9.42E-04
17	14	70	69	35561.43	1	5226.35	1.9134	0.0303	C.O	0.0	0.0	1.22E-06	2.68E-05	2.30E-04
7	4	98	89	22069.95	2	5227.01	1.9131	0.0303	0.0	0.0	0.0	3.65E-07	2.20E-06	7.45E-06
4	1	111	112	25265.22	1	5227.17	1.9131	E0E0.0	0.0	0.0	0.0	6.42E-07	5.27E-06	2.23E-05
16	13	65	84	37607.55	1	5227.24	1.9131	0.0303	0.0	0.0	0.0	4.37E-07	1.17E-05	1.155-04
10	7	76	77	25038.44	1	5227.48	1.9130	COE0.0	0.0	0.0	9.51E-07	2.44E-05	1.96E-04	8.15E-04
11	8	69	70	25116.07	1	5228.09	1.9127	E0E0.0	0.0	0.0	1.16E-06	3.01E-05	2.43E-04	1.02E-03
3	0	116	117	25366.34	1	5228.21	1.9127	0.0303	0.0	0.0	0.0	1.475-07	1.21E-06	5.16E-06
17	14	7	8	27741.09	1	5229.79	1.9121	0.0623	0.0	0.0	1.56E-07	5.89F-06	6.13E-05	3.07E-04
17	14	65	68	35357.96	1	5230.66	1.9118	0.0303	0.0	0.0	0.0	1.35E-06	2.91E-05	2.46E-04
6	3	10C	101	24961.22	1	5231.50	1.9115	C.0303	0.0	0.0	1.57E-07	3.98E-06	3.17E-05	1.31E-04
15	12	34	35	26134,53	1	5231.82	1.9114	0.0317	0.0	0.0	1.10E-06	3.31E-05	2.95E-04	1.326-03
16	13	22	23	26750.03	1	5231.96	1.9113	0.0476	0.0	0.0	6.48E-07	2.13E-05	2.01E-04	9.41E-04
13	10	53	54	25365.48	ì	5232.44	1.9112	E0E0.0	0.0	0.0	1.51E-06	4 . C7E-05	3.38E-04	1.446-03
14	11	44	45	25665.79	1	5232.82	1.9110	0.0303	0.0	0.0	1.42E-06	4.01E-05	3.42E-04	1.49E-03
16	13	84	83	37337.31	1	5233.25	1.9109	0.0303	0.0	0.0	0.0	5.00F-07	1.30E-05	1.26E-04
15	12	56	95	39095.29	1	5233.32	1.9108	E0E0.0	0.0	0.0	0.0	1.92E-07	5.93E-06	6.46E-05
12	9	- 61	62"	25142.58	1	5233.51	1.9108	E0E0.0	0.0	0.0	1.45E-06	3.77E-05	3.06E-04	1.28E-03
g	6	82	83	24836.50	1	5233.80	1.9107	0.0303	0.0	0.0	7.33E-07	1.83E-05	1.44E-04	5.90E-04
17	14	é	7	27714.25	1	5233.87	1.9106	0.0620	0.0	0.0	1.40E-07	5.27E-06	5.47E-05	2.73E-04
ε	Ε	81	82	21920.16	2	5234.39	1.9104	E0E0.0	0.0	0.0	0.0	6.41E-07	3.81E-06	1.286-05
14	11	106	105	40625.84	1	5234.54	1.9104	E0E0.0	0.0	0.0	0.0	7.87E-08	2.82E-06	3.41E-05
17	14	68	67	35137.49	1	5234.86	1.9103	E0E0.0	0.0	0.0	0.0	1.49E-06	3-158-05	2.62E-04
7	34	94	95	24797.05	1	5235.78	1.9099	C.0303	0.0	0.0	3.11E-07	7.70E-06	6.03E-05	2.47E-04
8	5	33	89	24755.73	1	5236.56	1.9097	E050.0	0.0	0.0	5.12E~07	1.26E-05	9.84E-05	4.02E-04
16	13	21	22	26672.34	1	5237.63	1.9093	0.0496	0.0	0.0	6.61E-07	2.156-05	2.01E-04	9.37E-04
5	2	105	106	24675.10	1	5237.79	1.9092	E0E0.0	0.0	0.0	8.19E-08	2.05E-06	1.62E-05	6.67E-05
17	14	5	6**	27690.77	1	5237.85	1.9092	0.0617	0.0	0.0	1.23E-07	4.61E-06	4.78E-05	2.38E-04
1.1	ε	6.6	69	24674.95	1	5238.52	1.9089	0.0303	0.0	0.0	1.36E-06	3.42E-05	2.70E-04	1.11E-03
10	7	75	76	24772.47	1	5230.61	1.9089	E0E0.0	0.0	0.0	1.14E-06	2.825-05	2.21E-04	9.02E-04
7	4	£7	88	21770.31	2	5238.64	1.9089	E0E0.0	0.0	0.0	0.0	4.31E-07	2.52E-06	8.38E-06
15	12	33	34	26015.68	1	5238.71	1.9089	0.0321	0.0	0.0	1.17E~06	3.47F-05	3.06E-04	1.36E-03
17	14	67	66	34520.04	ī	5238.94	1.9088	0.0303	0.0	0.0	0.0	1.64E-06	3.40E-05	2.79E-04
16	13	EB	82	37069.95	1	5239.15	1.9087	0.0303	0.0	0.0	0.0	5.70E-07	1.45E-05	1.38E-04
- 6	3	93	94	21738.60	ž	5239.56	1.9086	0.0303	0.0	0.0	0.0	2.49E-07	1.46E-06	4.82E-06
15	12	95	94	38790.96	1	5240.59	1.9082	0.0303	0.0	0.0	0.0	2.23E-07	6.69E-06	7.15E-05
14	11	43	44	25532.30	i	5240.74	1.9081	E0E0.0	0.0	0.0	1.56E-06	4.31E-05	3.62E-04	1.568-03
13	10	52	53	25200.61	î	5241.26	1.9079	E050.0	0.0	0.0	1.70E-06	4.47E-05	3.65E-04	1.536-03
4		110		24873.19	i	5241.69	1.9078	0.0303	0.0	0.0	0.0	8.00E-07	6.32E-06	
17	14	4	``	27670.64		5241.73	1.9078	0.0614	0.0	0.0	1.05E-07	3.92E-06	4.05E-05	2.60E-05
		•	-		-		1,50,0	20014	3.0	540	X • 00E-01	0.7EE-00	4.005-00	2.02E-04

Vü	٧L	JU	JŁ	LOWER STATE Energy	CODE	WAVE Number CM-1	WAVE LENGTH Micron	FALE WIDTH H2	**************************************	** INTEGRATE T = 1500	ED ** ABSORF C**GN T = 2000		FFICIENT **	
				LILLAGI		Cm-1	MACREIT	112	1000	1 - 1500	1 - 2000	1 2 2300	1 = 3000	T = 3500
17	14	-66	65	34705.62	1	5242.91	1.9073	0.0303°	Ó.O	0.0	0.0	1.81E-06	3.67E-05	2.96E-04
14	11	105	104	40290.99	1	5242.97	1.9073	0.0303	0.0	0.0	0.0	9.35E-08	3.24E-06	3.83E-05
12	9	60	61	24929.57	1	5243.14	1.9073	E0E0.0	0.0	0.0	1.67E-06	4.21E-05	3+34E-04	1.385-03
16	13	20	21	26598.00	1	5243.18	1.9072	0.0515	0.0	0.0	6.71E-07	2.16E-05	2.01E-04	9.30E-04
3	0	115	116	24956.02	1	5243.21	1.9072	0.0303	0.0	0.0	0.0	1.85E-07	1.47E-06	6.08E-06
16	13	٤2	13	36805.48	1	5244.93	1.9066	0.0303	0.0	0.0	0.0	6.49E-07	1.615-05	1.50E-04
6	٠3	99	100	24608.89	1	5244.97	1.9066	0.0303	0.0	0.0	2.01E-07	4.84E-06	3.73E-05	1.51E-04
8	5	03	81	21644.55	2	5245.38	1.9064	C0E0.0	0.0	0.0	4.745-08	7-46E-07	4.31E-06	1.42E-05
17	14	3	4	27653.86	1	5245.50	1.9064	0.0611	0.0	0.0	8.52E-08	3.19E-06	3.29E-05	1.64E-04
15	12	32	33	25900.18	1	5245.51	1.9064	0.0326	0.0	0.0	1.24E-06	3.62E-05	3.15E-04	1.39E-03
9	6	81	82	24548.88	1	5245.52	1.9064	0.0303	0.0	0.0	8.95E-07	2 . 14E-05	1.64E-04	6.60E-04
17	14	65	64	34494.25	1	5246.76	1.9059	0.0303	0.0	0.0	0.0	1.99E-06	3.95E-05	3-14E-04
15	12	94	93	38489,41	1	5247.75	1.9056	0.0303	0.0	0.0	0.0	2.595-07	7.54E-06	7.89E-05
14	11	42	43	25362.13	1	5248.56	1.9053	E0E0.0	0.0	0.0	1.716-06	4.62E-05	3.83E-04	1.63E-03
16	13	19	20	26527.02	1	5248.63	1.9053	0.0535	0.0	0.0	6.78E-07	2.165-05	2.00E-04	9.20E-04
7	4	93	94	24466.21	1	5248.67	1.9052	C.0303	0.0	0.0	3.90E-07	9.23E-06	7.01E-05	2.80E-04
8	5	ė7	88	24446.47	1	5248.86	1.9052	0.0303	0.0	0.0	6.35E-07	1.50E-05	1-14E-04	4.54E-04
11	8	67	68	24637.04	1	5248.86	1.9052	C.0303	0.0	0.0	1.60E-0€	3.88E-05	3.00E-04	1.21E-03
17	14	Ź	3	27640.44	1	5249.17	1.9051	0.0609	0.0	0.0	6.50E-C8	2.43E-06	2.50E-05	1.24E-04
10	7	74	75	24509.67	ı	5249.63	1.9049	0.0303	0.0	0.0	1.37E-06	3.25E-05	2.48E-04	9.96E-04
13	10	51	52	25019.01	1	5250.0C	1.9048	E0E0.0	0.0	0.0	1.92E-06	4.91E-05	3.93E-04	1.63E-03
7	4	86	87	21473.68	2	5250.16	1.9047	E0E0.0	0.0	0.0	0.0	5.08E-07	2.89E-06	9.41E-06
17	14	64	63	34285.92	1	5250.51	1.9046	E0E0.0	0.0	0.0	0.0	2.18E-06	4.24E-05	3.33E-04
16	13	81	80	36543.91	1	5250.6¢	1.9045	0.0303	0.0	0.0	0.0	7.38E-07	1.79E-05	1.64E-04
14		104		39958.80	i	5251.28	1.9043	E0E0.0	C.O	0.0	0.0	1.11E-07	3.72E-06	4-30E-05
6	3	92	93	21420.99	2	5251.66	1.9042	0.0303	0.0	0.0	0.0	2.96E-07	1.685-06	5.45E-06
5	2	104		24504.34	1	5251.74	1.9041	0.0303	0.0	0.0	1.06E-07	2.52E-06	1.92E-05	7.71E-05
15	12	31	32	25788.01	1	5252.2C	1.9040	0.0331	0.0	0.0	1.32E-06	3.76E-05	3.24E-04	1.42E-03
12	9	55	60	24715.80	1	5252.68	1.9038	E0E0.0	0.0	0.0	1.91E-06	4.69E-05	3.65E-04	1.49E-03
17	14	1	2	27630.37	1	5252.74	1.9038	0.0606 '	0.0	0.0	4.40E-08	1.64E-06	1.69E-05	8.38E-05
16	13	18	19	26459.40	1	5253.98	1.9033	0.0552	0.0	0.0	6.82E-07	2.15E-05	1.98E-04	9.06E-04
17	14	63	62	34080.64	1	5254.13	1.9033	0.0303	0.0	0.0	0.0	2.38E-06	4.55E-05	3.525-04
15	12	93	92	38190.62	1	5254.78	1.9030	E0E0.0	0.0	0.0	0.0	2.99E-07	8.49E-06	8.70E-05
4	1			24484.04	1	5256.11	1.9025	C.0303	0.0	0.0	4.19E-08	9.94E-07	7.56E-06	3.03E-05
16	13	εc	79	36265.25	1	5256.15	1.9025	E0E0.0	G • O	0.0	0.0	8.38E-07	1.98E-05	1.78E-04
17	14	٥	1	27623.66	1	5256.2¢	1.9025	E080.0	0.0	0.0	0.0	8.28E-07	8.51E-06	4.23E-05
14	11	41	42	25235.28	1	5256.26	1.9025	E0E0.0	Q • O	0.0	1.87E-06	4.94E-05	4.04E-04	1.70E-03
e	5	79	80	21372.00	2	5256.29	1.9025	0.0303	0.0	0.0	5.73E-08	8.66E-07	4.88E-06	1.58E-05
9	6	8.0	81	24264.39	1	5257.14	1.9022	E0E0.0	0.0	0.0	1.09E-06	2.50E-05	1.87E-04	7.36E-04
17	14	62	61	33878.44	1	5257.65	1.9020	E0E0.0	0.0	0.0	C.O	2.60E-06	4.86E-05	3.71E-04
3	0	114	115	24546.55	1	5258.11	1.9018	E0E0.0	0.0	0.0	0.0	2.32E-07	1.78E-06	7.15E-06
6	3	9.6	99	24259.57	1	5258.34	1.9017	C.0303	0.0	0.0	2.56E-07	5.87E-06	4.37E-05	1.72E-04
13	10	5 C	51	24840.71	1	5256.63	1.9016	0.0303	0.0	0.0	2.15E-C6	5.37E-05	4.23E-04	1.74E-03
15	12	30	31	25679.20	1	5258.8C	1.9016	0.0335	0.0	0.0	1.39E-06	3.90E-05	3.33E-04	1.45E_03
11 16	8 13	66 17	67 18	24402.34	1	5259.10	1.9015	0.0303	0.0	0.0	1.88E-06	4.39E-05	3.32E-04	1.326-03
				26398.14	1	5259-23	1.9014	0.0568	0.0	0.0	6.82E-07	2.13E-05	1.95E-04	8.89E-04
14	**	103 73	74	39629.28 24250.05	1	5259.47	1.9013	C.0303	0.0	0.0	0.0	1.31E-07	4.26E-06	4.826-05
17	14				1	5260.57	1.9009	0.0303	0.0	0.0	1.63E-06	3.748-05	2.79E-04	1.10E-03
	. 4 5	61	60	33679.31	1	5261.05	1.9008	0.0303	0.0	0.0	0.0	2.83€-06	5.19E-05	3-91E-04
8 7	4	86 92	27 93	24140.31 24138.43	1	5261.08	1.9008	0.0303	0.0	0.0	7.87E-07	1.776-05	1.31E-04	5-12E-04
16	13	79	78	36029.51	1	5261.47 5261.58	1.9006 1.9006	0.0303 0.0303	0.0	0.0	4.89E-07	1.10E-05	8.12E-05	3.18E-04
7	4	85	86	21180.08	2	5261.64	1.9005	0.0303	0.0	0.0	0.0	9.49E-07	2.18E-05	1.93E-04
•		ų.	00	_1160.00	~	J201 #04	119005	0.0303	0.0	0.0	4.07E-08	5.98E-07	3.31E-06	1.065-05

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VÜ	٧L	JU	JĹ	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	******	** INTECRATE	D ** ABSORI CM*GI		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	7 = 3000	T = 3500
15	12	92	91	37894.64	1	5261.70	1.9005	E0E0.0	0.0	0.0	C.O	3.46E-07	9.53E-06	9.57E-05
12	9	58	59	24513.30	1	5262.12	1.9004	0.0303	0.0	0.0	2.20E-06	5.23E-05	3.99E-04	1.60E-03
17	14	1	0	27620.30	1	5262.80	1.9001	0.0603	0.0	0.0	0.0	8.44E-07	8.68E-06	4.31E-05
6	3	91	92	21106.37	2	5263.67	1.8998	0.0303	0.0	0.0	0.0	3.52E-07	1.93E-06	6.14E-06
14	11	40	41	25091.76	1	5263.90	1.8997	0.0303	0.0	0.0	2.04E-06	5.27E-05	4.25E-04	1.78E-03
17	14	60	59	33483.27	1	5264.33	1.8996	E0E0.0	0.0	0.0	0 • 0	3.07E-06	5.53E-05	4.11E-04
16	13	16	17	26334.25	1	5264.38	1.8996	0.0585	0.0	0.0	6.79E-07	2.10E-05	1.91E-04	8.68E-04
15	12	29	30	25573.73	1	5265.29	1.8992	0+60+0	0.0	0.0	1.46E-06	4.03E-05	3.41E-04	1.47E-03
5	2	103	104	24136.54	1	5265-60	1.8951	E0E0.0	0.0	0.0	1.37E-07	3.09E-06	2.28E-05	8.91E-05
17	14	2	1	27623.66	1	5265.95	1.8990	0.0606	0.0	0.0	4.575-08	1.70E-06	1.756-05	8.70E-05
16	13	78	77	35776.71	1	5266.89	1.8987	E0E0.0	0.0	0.0	0.0	1.07E-06	2.41E-05	2.09E-04
8	5	7€	79	21102.53	2	5267.11	1.8986	0.0303	C.O	0.0	6.90E-08	1.00E-06	5.51E-06	1.75E-05
13	10		50	24665.70	1	5267.17	1.8986	E0E0.0	0.0	0.0	2.41E-06	5.86E-05	4.54E-04	1.84E-03
17	14	59	58	33290.32	1	5267.51	1.8984	0.0303	0.0	0.0	0.0	3.34E-06	5.92E-05	4.34E-04
14	11	102	101	44.SOERE	1	5267.54	1.8984	E0E0.0	0.0	0.0	0.0	1.54E-07	4.87E-06	5.39E-05
15	12	91	90	37601.46	1	5268.51	1.8981	E0E0.0	0.0	0.0	0.0	3.99E-07	1,076-05	1.05E-04
9	6	79	80	23983.04	1	5268.67	1.8580	E0E0.0	0.0	0.0	1.33E-06	2.92E-05	2.12E-04	8.21E-04
17	14	3	2	.27630.37	1	5268.99	1.8979	0.0609	0.0	0.0	6.90E-08	2.57E-06	2.65E-05	1.32E-04
11	8	65	66	24170.68	Ł	5269.25	1.8978	0.0303	0.0	0.0	2.19E-06	4.97E-05	3.67E-04	1.44E-03
16	13		16	26276.73	1	5269.42	1.8977	0.0591	0.0	0.0	6.71E-07	2.0€E-05	1.86E-04	8.43F-04
4		108	109	24097.80	1	5270.46	1.8974	E0E0.0	0.0	0.0	5.50E-08	1.23E-06	9.04E-06	3.53E-05
17	14		57	331CO.48	ì	5270.57	1.8973	0.0303	0.0	0.0	4.44E-08	3.63E-06	6.32E-05	4.57E-04
10	7		73	23993.62	1	5271.41	1.8970	0.0303	0.0	0.0	1.956-06	4.30E-05	3.12E-04	1.21E-03
14	11		40	24951.57	1	5271.42	1.8970	E0E0.0	0.0	0.0	2.21E-06	5.61E-05	4.46E-04	1.85E-03
13		111		40670.70	1	5271.43	1.8970	E0E0.0	0.0	0.0	0.0	6.58E-08	2.37E-06	2.87E-05
12	9	57	58	24310.07	1	5271.47	1.8970	E0E0.0	0.0	0.0	2.52E-06	5.826-05	4.36E~04	1.73E-03
6	3	97	98	23913.24	1	5271.63	1.8569	0.0303	0.0	0.0	3.25E-07	7.10E-06	5.126-05	1.975-04
15	12		25	25471.62	1	5271.69	1.8969	0.0359	0.0	0.0	1,•53E∽06	4.17E-05	3.49E-04	1.50E-03
17	14	4	3	27640.44	1	5271.93	1.8968	0.0611	0.0	0.0	9.23E-08	3,445-06	3.55E-05	1.77E-04
16	13	77	76	35526.85	1	5272.09	1.8968	0.0303	0.0	0.0	0.0	1.21E-06	2.65E-05	2.27E-04
3	C		114	24143.93	1	5272.93	1.8965	0.0303	0.0	0.0	0.0	2.91E-07	2.14E-06	8.40E-06
7	4	84	85	20889.52	2	5273.02	1.8964	E0E0.0	0.0	0.0	4.98E-08	7.02E-07	3.78E-06	1.18E-05
8	5	65	86	23837.25	1	5273.20	1.8964	E0E0.0	0.0	0.0	9.72E-07	2.10E-05	1.50E-04	5.76E-04
17	14	57	56	32913.75	1	5273.52	1.8963	0.0303	0.0	0.0	4.95E-08	3.94E-06	6.745-05	4-81E-04
7	4	91	92	23813.70	1	5274.17	1.8960	E0E0.0	0.0	0.0	6.12E-07	1.326-05	9.40E-05	3.60E-04
16	13	14	15	26222.57	1	5274.36	1.8960	0.0597	0.0	0.0	6.59E-07	2.01E-05	1.80E-04	8.15E-04
17	14	5	4	27653.86	1	5274.76	1.8958	0.0614	0.0	0.0	1.15E-07	4.32E-06	4.45E-05	2.22E-04
15	12	90	89	37311.09	1	5275.19	1.8957	E0E0.0	0.0	0.0	0.0	4.59E-07	1.20E-05	1.15E-04
14	11		100	36978.30	1	5275.5C	1.8956	E0E0.0	0.0	0.0	0.0	1.82E-07	5.56E-06	6.02E~05
6	3	90	91	20794.75	2	5275.59	1.8955	0.0303	0.0	0.0	0.0	4.17E-07	2.235-06	6.92E-06
13	10	46	49	24454.01	1	5275.61	1.8955	E0E0.0	0.0	0.0	2.69E-06	6.38E-05	4.86E-04	1.95E-03
17	14	56	55	32730.14	1	5276.35	1.8953	0.0303	0.0	0.0	5.50E-08	4.27E-06	7.17E-05	5.05E-04
16	13	76	75	35279.96	1	5277.18	1.8950	E0E0.0	0.0	0.0	0.0	1.36E-06	2.92E-05	2.45E-04
17	14	-6	5	27670.64	1	5277.49	1.8948	0.0617	0.0	0.0	1.38E-07	5.18E-06	5.35E-05	2.67E-04
8	5	77	78	20836.14	2	5277.84	1.8947	0.0303	0.0	0.0	8.29E-08	1.16E-06	6.225-06	1.94E-05
15	12	27	28	25372.88	1	5277.98	1.8947	0.0379	0.0	0.0	1.60E-06	4.31E-05	3.575-04	1.52E-03
14	11	38	39	24614.72	1	5278.85	1.8944	0.0303	0.0	0.0	2.39E-06	5.95E-05	4.68E-04	1.926-03
17	14	55	54	32549.66	1	5279.08	1.8943	0.0303	0.0	0.0	6.09E-08	4.61E-06	7.61E-05	5.30E-04
16	13	12	14	26171.80	1	5279.20	1.8942	0.0604	0.0	0.0	6.43E-07	1.94E-05	1.74E-04	7.83E-04
11	8	64	65	23942.65	1	5279.30	1.8942	0.0303	0.0	0.0	2.55E-06	5.608-05	4.05E-04	1.56E-03
5	2	102		23771.70	1	5279.37	1.8942	0.0303	0.0	0.0	1.77E-07	3.79E-06	2.69E-05	1.03E-04
9	. 6	7€	79	23704.85	1	5280.11	1.8939	0.0303	0.0	0.0	1.61E~06	3.40€-05	2.40E-04	9 • 1 4E-04
17	14	7	6	27690.77	1	5280.11	1.8939	.0.0è50	0.0	0.0	1.61E-07	6.04E-06	6.25F-05	3.12E-04

νu	٧L	JU	JL	LOWER STATE	CODE	WAVE .	WAVE LENGTH	HALÉ Wicth	******	** İNTEGRATI	ED ** ABSORF		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
13	10	110	109	40319.00	1	5280.43	1.8938	"C.0303	0.0	0.0	0.0	7.905-08	2.756-06	3.26E-05
12	9	56	57	24110.11	1	5280.72	1.8937	E0E0.0	0.0	0.0	2.88E-06	6.478-05	4.75E-04	1.86E-03
17	14	54	53	32372.31	1	5281.69	1.8933	E0E0.0	0.0	0.0	6.74E-08	4.97E-06	8.06E-05	5.55E-04
15	12	69	ee	37023.57	i	5281.76	1.8933	E0E0.0	C • O	0.0	0.0	5.31E-07	1.34E-05	1.27E-04
16	13	75	74	35036.03	1	5282.15	1.8532	0.0303	0.0	0.0	0.0	1.53E-06	3.20E-05	2.64E-04
10	7	71	72	23740.39	1	5282.16	1.8932	E0E0.0	0.0	0.0	2.31E-06	4.93E-05	3.49E-04	E0-3EE.1
17	14	. 8	7	27714.25	1	5282.62	1.8930	0.0623	0.0	0.0	1.82E-07	6.87E-06	7.13E-05	3.57E-04
14	11	100	99	38656.87	ı	5283.33	1.8927	E0E0.0	0.0	0.0	0.0	2.14E-07	6.34E-06	6.71E-05
16	13	12	13	26124.39	1	5283.94	1.8925	0.0610	0.0	0.0	6.23E-07	1.87E-05	1.67E-04	7.47E-04
13	10	47	48	24325.62	1	5283.96	1.8925	E0E0.0	0.0	0.0	2.99E-06	6.94E-05	5.20E-04	2.06E-03
17	14	53	52	32198.11	1	5284.18	1.8924	0.0303	0.0	0.0	7.43E-08	5.34E-06	8.52E-05	5.79E-04
15	12	26	27	25277.50	1	5284.18	1.8924	0.0398	0.0	0.0	1.675-06	4.43E-05	3.64E-04	1.54E-03
7	4	EB.	84	20602.01	2	5284.30	1.8924	E0E0.0	0.0	0.0	6.08E-08	8.23E-07	4.31E-06	1.326-05
4	1	-		23714.48	1	5284.71	1.8923	0.0303	0.0	0.0	7.20E-08	1.53E-06	1.08E-05	4.11E-05
. 6	. 3	96	97	23569.94	1	5284.83	1.8922	0.0303	0.0	0.0	4.13E-07	6.58E-06	5.98E-05	2.25E-04
17	14	9	9	27741.09	1	5285.03	1.8921	0.0624	0.0	0.0	2.03E-07	7.69E-06	8.00E-05	4.01E-04
8 14	11	84 37	85 36	23537.30	1	5285.23	1.8921	E0E0.0	0.0	0.0	1.20E-06	2.48E-05	1.72E-04	6.48E-04
17	14	52	51	32027.05	1	5286.18	1.8917	0.0303	0.0	0.0	2.58E-06	6.30E-05	4-895-04	1.99E-03
7	4	90	91	23492.04	1	5286.57	1.8916	0.0303	0.0	0.0	8.16E-08	5.73E-06	8.99E-05	6.04E-04
16	13	74	73	34795.09	1	5286.79 5287.00	1.8915	0.0303	0.0	0.0	7.64E-07	1.57E-05	1.09E-04	4.07E-04
17	14	10	9	27771.27	1	5287.34	1.8914	E0E0.0	0.0	0.0	0.0	1.71E-06	3.51E-05	2.85E-04
6	3	89	90	20486.14	2		1.8913	0.0624	0.0	0.0	2.23E-07	8.48E-06	8.85E-05	4.44E-04
3	ā	112	113	23742.18	1	5287.43 5287.66	1.8913 1.8912	0.0303 0.0303	0.0	0.0	0.0	4.93E-07	2.56E-06	7.78E-06
15	12	88	87	36738.89	i	5288.21	1.8912		0.0	0.0	0.0	3.65E-07	2.59E-06	9.85E-06
ã	5	76	77	20572.85	ž	5288.49	1.8909	E0E0.0	0.0	0.0	0.0	6.12E-07	1.516-05	1-40E-04
16	13	11	12	26060.36	1	5288.57			0.0	0.0	9.94E-08	1.34E-06	7.00E-06	2-14E-05
17	14	51	50	31859.17	ì	5288.84	1.8909	0.0617 0.0303	0.0	0.0	5.98E-07	1.78E-05	1.58E-04	7.08E-04
11	3	63	64	23717.67	1	5289.26	1.8906	E050.0	0.0	0.0	8.95E-08	6.13E-06	9.47E-05	6.29E-04
13	_	109		39969.90	i	5289.31	1.8906	E0E0.0	0.0	0.0	2.97E-06	6.30E-05	4-46E-04	1.705-03
17	14	11	10	27804.81	î	5289.53	1.8905	0.0625	0.0	0.0	0.0 2.42E-07	9.46E-08 9.24E-06	3.18E-06	3.68E-05
12	9	55	56	23913.44	ī	5259.88	1.8904	0.0303	0.0	0.0	3.28E-06	7.17E-05	9.67E-05 5.17E-04	4.87E-04 1.99E-03
15	12	25	26	25165.49	ī	5290.27	1.8903	0.0418	0.0	0.0	1.735-06	4.53E-05	3.69E-04	1.55E-03
17	14	50	49	31694.45	1	5291.00	1.8900	0.0303	0.0	0.0	9.795-08	6.55E-06	9.96E-05	6.54E-04
14	11	55	98	36338.18	ī	5291.05	1.8900	0.0303	0.0	0.0	0.0	2.51E-07	7.22E-06	7.48E-05
9	6	77	78	23429.83	1	5291.46	1.8898	0.0303	0.0	0.0	1.94E-06	3.96E-05	2.72E-04	1.02E-03
17	14	12	11	27841.70	1	5291.63	1.8898	0.0617	0.0	0.0	2.59E-07	9.96E-06	1.05E-04	5.28E-04
16	13	73	72	34557.13	1	5291.74	1.8697	0.0303	0.0	0.0	0.0	1.92E-06	3.836-05	3.06E-04
13	10	46	47	24160.56	1	5292.21	1.8896	E050.0	0.0	0.0	3.32E-06	7.52E-05	5.55E-04	2.18E-03
10	7	70	71	23490.38	1	5292.82	1.8894	C.0303	0.0	0.0	2.74E-06	5.64E-05	3.90E-04	1.46E-03
5	2	101	102	23409.84	1	5293.05	1.8893	E0E0.0	0.0	0.0	2.28E-07	4.63E-06	3.18E-05	1.18E-04
17	14	45	48	31532.90	1	5293.05	1.8893	0.0303	0.0	0.0	1.07E-07	6.98E-06	1.04E-04	6.79E-04
16	13	1 G	11	26039.71	1	5293.11	1.8892	0.0625	0.0	0.0	5.69E-07	1.69E-05	1.49E-04	6.65E-04
14	11	36	37	24551.07	1	5293.40	1.8891	0.0308	0.0	0.0	2.785-06	6.65E-05	5.10E-04	2.05E-03
17	14	13	12	27661.92	1	10.695	1.8891	0.0610	0.0	0.0	2.75E-07	1.06E-05	1.12E-04	5.68E-04
15	12	87	86	36457.07	1	5294.54	1.8687	E0E0.0	0.0	0.0	0.0	7.06E-07	1.69E-05	1.54E-04
17	14	48	47	31374.53	1	5294.99	1.8686	E0E0.0	0.0	0.0	1.16E-07	7.41E-06	1.09E-04	7.03E-04
17	14	14	13	27925.50	1	5295.49	1.8884	0.0604	0.0	0.0	2.908-07	1.13E-05	1.19E-04	6.06E-04
7	4	82	83	20317.56	2	5295.51	1.8884	E0E0.0	0.0	0.0	7.41E-08	9.63E-07	4.91E-06	1.48E-05
15	12	24	25	25096.85	1	5296.26	1.8881	0.0437	0.0	0.0	1.79E-06	4.63E-05	3.74E-04	1.56E-03
16	13	72	71	34322.18	1	5296.37	1.8881	E0E0.0	0.0	0.0	0.0	2.14E-06	4.18E-05	3.29E-04
17	14	47	46	31219.36	1	5296.82	1.8879	E0E0.0	0.0	0.0	1.26E-07	7.86E-06	1.14E-04	7.26E-04
8	5	28	84	23240.48	1	5297.17	1.8678	E0E0.0	0.0	0.0	1.47E-06	2.92E-05	1.98E-04	7.27E-04

# MCLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE

νu	٧L	JU	JL	LOWER STATE	CODE	WAVE '	. WAVE	. HALF WIDTH	******	** INTEGRAT	ED ** ABSORI		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500.
17	14	15	14	27972.41	1	5297.26	1.8878	0.0597	~ o • o	0.0	3.03E-07	1.19E-05	1.26E-04	6-43E-04
16	13	S	10	26002.45	1	5297.53	1.8877	0.0624	0.0	0.0	5.35E-07	1.58E-05	1.39E-04	6.18E-04
6	3	95	96	23229.68	1	5297.93	1.8875	EOEO.O	0.0	0.0 17	5.23E-07	1.03E-05	6.98E-05	2.57E-04
13	10	108	107	39623.43	1	5298.06	1.8875	0.0303	0.0	0.0	0.0	1.13E-07	3.68E-06	4.16E-05
17	14	46	45	31067.38	1	5298.54	1.8873	E0E0.0	0.0	0.0	1.36E-07	8.31E-06	1.19E-04	7.49E-04
14	11	32	97	38022.23	1	5298.65	1.8873	E0E0.0	0.0	0.0	0.0	2.94E-07	8.20E-06	8.31E-05
4	1	106	107	23334.10	1	5298.87	1.8872	E0E0.0	0.0	0.0	9.39E-08	1.89E-06	1.29E-05	4.77E-05
17	14	16	15	28022.67	1	5298.93	1.8872	0.0591	0.0	0.0	3.15E-07	1.24E-05	1.33E-04	6.78E-04
12	9	54	55	23720.06	1	5298.94	1.8672	E0E0.0	0.0	0.0	3.73E-06	7.93E-05	5.61E-04	2 • 1 3E-03
е	5	75	76	20312.67	2	5299.05	1.8871	E0E0.0	0.0	0.0	1.196-07	1.54E-06	7.87E-06	2.37E-05
11	8	62	63	23495.95	1	5299.12	1.8871	E050.Ö	0.0	0.0	3.44E-06	7.08E-05	4.90E-04	Ĩ•84E-03
6	3	88	89	20180.55	2	5299.18	1.8871	E0E0.0	0.0	0.0	4.59E-08	5.85E-07	2.94E-06	8.78E-06
7	4	89	90	23173.46	1	5299.31	1.8870 -	E050.0	0.0	0.0	9.51E-07	1.87E-05	1.25E-04	4 • 6 0E-04
5	2	94	95	20162.75	2	5299.54	1.8870	E0E0.0	0.0	0.0	0.0	2.94E-07	1.48E-06	4.40E-06
17	14	45	44	30918.60	1	5300.14	1.8867	0.000°	0.0	0.0	1.47E-07	8.77E-06	1.24E-04	7.71E-04
13	10	45	46	23998.83	1	5300.36	1.8867	E0E0.0	0.0	0.0	3.68E-06	8.13E-05	5.91E-04	2.29E-03
17	14	17	16	28076.27	1	5300.49	1.8866	0.0585	0.0	0.0	3.25E-07	1.29E-05	1.39E-04	7.11E-04
14	11	35	36	24424.27	1	5300.53	1,8866	0.0312	0.0	0.0	2.98E-06	7.00E-05	5.30E-04	2.12E-03
15	12	86	85	36178.12	1	5300.75	1.8865	E0E0.0	0.0	0.0	0.0	B-11E-07	1.90E-05	1.69E-04
16	13	71	70	34090.25	1	\$300.88	1.8865	0.0303	0.0	0.0	0.0	2.386-06	4.56E-05	3.53E-04
17	14	44	43	30773.04	1	5301.63	1.8862	0.0303	0.0	0.0	1.58E-07	9.23E-06	1.28E-04	7.93E-04
16	13	3	9	25968.57	1	5301.86	1.8861	0.0624	0.0	0.0	4.97E-07	1.46E-05	1.28E-04	5.69E-04
17	14	18	17	28133.20	1	5301.94	1.8861	0.0568	0.0	0.0	3.33E-07	1.33E-05	1.44E-04	7.42E-04
15	12	23	24	25011.59	1	5302.15	1.8860	0.0457	0.0	0.0	1.84E-06	4.71E-05	3.77E-04	1.57E-03
3	0		112	23343.33	ı.	5302.30	1.8860	E0E0.0	0.0	0.0	0.0	4.56E-07	3.11E-06	1-15E-05
9	€	76	77	23157.98	1	5302.71	1.8858	E0E0.0	0.0	0.0	2.34E-06	4.59E-05	3.08E-04	1.13E-03
17 17	14	43 15	42 18	30630.69 28193.46	1	5303.01	1.8857	0.0303	0.0	0.0	1.69E-07	9.69E-06	1.33E-04	8.13E-04
10	14	69	70	23243.58	1	5303.28 5303.36	1.8856	0.0552	0.0	0.0	3.39E-07	1.37E-05	1.49E-04	7.71E-04
17	14	42	41	30491.56	1		1.8856	E0E0.0	0.0	0.0	3.24E-06	6.43E-05	4.35E-04	1.60E-03
17	14	20	19	26257.05	1	5304.29 5304.52	1.8853 1.8852	0.0303 0.0535	0.0	0.0	1.80E-07	1.01E-05	1.37E-04	8.32E-04
16	13	70	69	33861.33	1	5305.27	1.8849	E0E0.0	0.0 0.0	0.0	3.44E-07 0.0	1.40E-05	1.54E-04	7.97E-04
17	14	41	40	30355.66	1	5305.45	1.8849	E0E0.0	0.0	0.0	1.92E-07	2.65E-06 1.06E-05	4.96E-05 1.42E-04	3.78E-04 8.50E-04
17	14	21	20	28323.98	î	5305.65	1.8848	0.0505	0.0	0.0	3.47E-07	1.43E-05	1.58E-04	8.22E-04
16.	13	7	8	25938.07	i	5306.08	1.8846	0.0623	0.0	0.0	4.55E-07	1.33E-05	1.16E-04	5.16E-04
14	11	57	96	37709.03	ī	5306.12	1.8846	0.0303	0.0	0.0	0.0	3.44E-07	9.31E-06	9.23E-05
17	14	40	39	00.ESS0E	1	5306.50	1.8845	0.0303	0.0	0.0	2.04E-07	1.105-05	1.46E-04	8.66E-04
7	4	٤1	82	20036.19	2	5306.62	1.8844	E0E0.0	0.0	0.0	9.02E-08	1.13E-06	5.58E-06	1.65E-05
5	2	100	101	23050.98	ī	5306.65	1.8844	E0E0.0	0.0	0.0	2.93E-07	5.64E-06	3.75E-05	1.36E-04
17	14	22	21	26394.22	1	5306.67	1.8844	0.0496	0.0	0.0	3.49E-07	1.45E-05	1.61E-04	8.43E-04
13	10			35279.59	1	5306.70	1.8844	E0E0.0	0.0	0.0	0.0	1.35E-07	4.25E-06	4.70E-05
15	12	85	84	35902.06	1	5306.85	1.8844	0.0303	0.0	0.0	0.0	9.31E-07	2.12E-05	1.86E-04
17	14	39	38	30093.57	1	5307.44	1.8841	E0E0.0	0.0	0.0	2.16E-07	1.15E-05	1.50E-04	8.81E-04
14	11	34	35	24300.84	1	5307.56	1.8841	0.0317	0.0	0.0	3.186-06	7.35E-05	5.50E-04	2.18E-03
17	14	23	22	28467.79	1	5307.59	1.8841	0.0476	0.0	0.0	3.49E-07	1.47E-05	1.64E-04	8.63E-04
12	9	53	54	23529.98	1	5307.90	1.8840	0.0303	0.0	0.0	4.23E-06	8.75E-05	6.08E-04	2.28E-03
15	12	22	23	24929.71	1	5307.94	1.8840	0.0476	0.0	0.0	1.89E-06	4.77E-05	3.79E-04	1.576-03
17	14	38	37	29967.39	1	5308.27	1.8839	E0E0.0	0.0	0.0	2.28E-07	1.19E-05	1.53E-04	8.94E-04
17	14	24	23	28544.68	1	5308.39	1.8838	0.0457	0.0	0.0	3.47E-07	1.48E-05	1.66E-04	8.79E-04
13	10	44	45	E4.048ES	1	5308.41	1.8838	E0E0.0	0.0	0.0	4.06E-06	8.77E-05	6.28E-04	2.41E-03
11	Ę	61	62	23277.50	1	5308.88	1.8836	0.0303	0.0	0.0	3.98E-06	7.93E-05	5.36E-04	1.98E-03
17	14	37	36	29844.47	1	5308.99	1.8826	e•òáós	0.0	0.0	2.40E-07	1.23E-05	1.56E-04	9.06E-04
8	5	82	83	22546.81	1	5309.01	1.8836	0.0303	0.0	0.0	1.81E-06	3.44E-05	2.26E-04	8.15E-04

٧U	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF Wicth	******	** INTEGRATE	D ** ABSORF CM*GN		EFFICIENT *	*****
				ENERGY		CM-1	MICREN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	• •							,						
17	14	25	24	28624.89	1	5309.09	1.8836	0.0437	0.0	0.0	3.44E-07	1-48E-05	1.68E-04	8.945-04
8	_	74	75	20055.60	2	5309.52	1.8834	0.0303	0.0	0.0	1.42E-07	1.78E-06	8.83E-06	2.61E-05
16	13	69	68	33635.45	1	5309.55	1.8834	0.0303	0.0	0.0	0.0	2.94E-06	5.38E-05	4.04E-04
17	14	36	35	29724.80	1	5309.60	1.8834	0.0312	0.0	0.0	2.51E-07	1.27E-05	1.59E-04	9.15E-04
17	14	26	25	26708.40	1	5309.68	1.8834	0.0418	0.0	0.0	3.40E-07	1.48E-05	1.69E-04	9.05E-04
17	14	35	34	29608.40	1	5310.10	1.8632	0.0317	0.0	0.0	2.63E-07	1.306-05	1.62E-04	9.23E-04
17	14	27	26	28795.22	1	5310.16	1.8632	0.0398	0.0	0.0	3.34E-07	1.47E-05	1.70E-04	9.15E-04
16	13	6	7	25910.95	1	5310.20	1.8832	0.0620	0.0	0.0	4.09E-07	1.19E-05	1.04E-04	4.60E-04
17	14	34	33	29495.27	1	5310.49	1.8831	0.0321	0.0	0.0	2.73E-07	1.33E-05	1.64E-04	9.28E-04
17	14	28	27	28885.35	1	5310.53	1.8831	0.0379	0.0	0.0	3.28E-07	1.46E-05	1.70E-04	9.21E-04
17	14	33	32	29365.40	1	5310.77	1.8630	0.0326	0.0	0.0	2.84E-07	1.36E-05	1.665-04	9.31E-04
17	14	29	28	28978.78	1	5310.80	1.8830	0.0359	0.0	0.0	3.20E-07	1.45E-05	1.70E-04	9.26E-04
. 6	3	87	88	19878.00	2	5310.85	1.8829	E0E0.0	0.0	0.0	5.68E-08	6.93E-07	3.39E-06	9.89E-06
17	14	32	31	29278.82	1	5310.94	1.8829	1550.0	0.0	0.0	2.94E-07	1.39E-05	1.67E-04	9.32E-04
17	14	0.5	29	29075.50	1	5310.95	1.8829	0.0340	0.0	0.0	3.11E-07	1.436-05	1.69E-04	9.27E-04
6	3	94	95	22892.46	1	5310.95	1.8829	0.0303	0.0	0.0	6.60E-07	1.24E-05	8.146-05	2.93E-04
17	14	31	30	29175.52	ì	5311.00	1.8829	0.0335	0.0	0.0	3.03E-07	1.41E-05	1.685-04	9.316-04
7	4	88	89	22657.99	1	5311.75	1.8826	0.0303	0.0	0.0	1.19E-06	2.23E-05	1.45E-04	5.21E-04
5	2	93	94	19839.07	2	5311.75	1.8826	0.0303	0.0	0.0	0.0	3.51E-07	1.715-06	4.99E-06
15	12	84	83	35628.90	1	5312.83	1.8822	0.0303	0.0	0.0	0.0	1.07E-06	2.37E-05	2.04E-04
4	1	106		22956.67	1	5312.95	1.8622	E050.0	0.0	0.0	1.22E-07	2.33E-06	1.53E-05	5.53E-05
14	11	96	95	37398.61	1	5313.4L	1.8820	0.0303	0.0	0.0	0.0	4.01E-07	1.05E-05	1.02E-04
15	12	21	22	24851.22	1	5313.63	1.8820	0.0496	0.0	0.0	1.93E-06	4.62E-05	3.80E-04	1.56E-03
16	13	6.6	67	33412.62	1	5313.72	1.8819	0.0303	0.0	0.0	0.0	3.25E-06	5.83E-05	4.31F-04
10	7	6 E	69	23000.01	1	5313.85	1.8819	E0E0.0	0.0	0.0	3.83E-06	7.335-05	4.84E-04	1.75E-03
9	6	75	76	22889.33	1	5313.87	1.8819	0.0303	0.0	0.0	2.825-06	5.31E-05	3.47E-04	1.25E-03
16	13	5	E	25887.22	1	5314.22	1.8817	0.0617	0.0	0.0	3.596-07	1.04E-05	9.086-05	4.01E-04
14	11	33	34	24180.77	1	5314.49	1.8816	0.0321	0.0	0.0	3.39E-06	7.70E-05	5.70E-04	2.24E-03
13	10	10€	105	38938.42	1	5315.22	1.8814	0.0303	0.0	0.0	0.0	1.61E-07	4.90E-06	5.29E-05
13	10	43	44	23685.38	1	5316.36	1.8810	0.0303	0.0	0.0	4.46E-06	9.446-05	6.66E-04	2.53E-03
12	9	52	53	23343.22	1	5316.77	1.8808	E0E0.0	0.0	0.0	4.78E-06	9.63E-05	6.57E~04	2.44E-03
3	a	110	111	22547.38	1	5316.86	1.8808	0.0303	0.0	0.0	0.0	5.69E-07	3.746-06	1.35E-05
7	4	80	81	19757.90	2	5317.65	1.8805	0.0303	0.0	0.0	1.095-07	1.31E-06	6.34E-06	1.84E-05
16	13	67	66	33192.84	1	5317.77	1.8805	E0E0.0	0.0	0.0	4.32E-08	3.59E-06	6.30E-05	4.59E-04
16	13	4	5	25866.88	1	5318,13	1.8804	0.0614	0.0	0.0	3.06E-07	8.85E-06	7.70E-05	3.39E-04
11	е	60	61	23062.32	1	5318.56	1.8802	E0E0.0	0.0	0.0	4.58E-06	8.86F-05	5.89E-04	2.14E-03
15	12	83	82	35358.64	1	5318.70	1.8802	E0E0.0	0.0	0.0	0.0	1.22E-06	2.63E-05	2.235-04
15	12	20	21	24776.12	1	5319.22	1.8800	0.0515	0.0	0.0	1.96E-06	4.84E-05	3.79E-04	1.556-03
8	5	73	74	19801.66	2	5319.90	1.8797	E0E0.0	0.0	0.0	1.69E-07	2.04E-06	9.89E-06	2.87E-05
5	2		100	22695.13	ī	5320.15	1.8796	0.0303	0.0	0.0	3.75E-07	6.87E-06	4.41E-05	1.56E-04
14	11	95	94	37090.97	1	5320.73	1.8794	E0E0.0	0.0	0.0	0.0	4.67E-07	1.19E-05	1.13E-04
8	5	81	82	22656.29	1	5320.77	1.8794	E0E0.0	0.0	0.0	2.21E-06	4.04E-05	2.58E-04	9.13E-04
14	11	32	33	24064.08	1.	5321.32	1.8792	0.0326	0.0	0.0	3.60E-06	8.04E-05	5.88E-04	2.29E-03
16	13	66	65	32976.12	1	5321.70	1.8791	0.0303	0.0	0.0	4.91E-08	3.95E-06	6.80E-05	4.88E-04
16	13	3	4	25649.93	î	5321.94	1.8790	0.0611	0.0	0.0	2.50E-07	7.20E-06	6.25E-05	2.75E-04
- 6	3	86	87	19578.50	2	5322.43	1.8788	0.0303	C • O	0.0	7.00E-08	8.18E-07	3.89E-06	1.11E-05
13		105		38599.92	ī	5323.62	1.8784	0.0303	0.0	0.0	0.0	1.91E-07	5.64E-06	5.95E-05
6	Ξ	53	94	22558.31	i	5323.87	1.8783	E0E0.0	0.0	0.0	8.32E-07	1.50E-05	9.47E-05	3.33E-04
5	2	92	93	19518.39	2	5323.88	1.8783	0.0303	0.0	0.0	0.0	4.196-07	1.985-06	5.64E-06
7	4	87	88	22545.62	1	5324.09	1.8783	0.0303	0.0	0.0	1.48E-06	2.655-05	1.68E-04	5.89E-04
13	10	42	43	23533.68	ī	5324.22	1.8782	0.0303	0.0	0.0	4.90E-06	1.01E-04	7.04E-04	2.65E-03
10	7	67	68	22759.69	ì	5324.22	1.8782	0.0303	0.0	0.0	4.50E-06	20-3E-05	5.38E-04	1.92E-03
15	12	82	81	35091.32		5324.45	1.8781	0.0303	0.0	0.0	0.0	1.39E-06	2.93E-05	2.43E-04
		-			•		110101	3.0000	V.U	V.0	0.0	**********	2.935-03	2.435-04

# MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CAREON MONOXIDE

νu	٧L	JU	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	. HALF WIDTH		** INTECRATI	CM*G	h−I ,		
				ENERGY		CM-1	HICRCN	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
15	12	19	20	24704.41	1	5324.71	1.8786	0.0535	0.0	0.0	1.96E-06	4.25E-05	3.778-04	1.53E-Ö3
12	9	114	113	40058.61	1	5324.85	1.8780	C.0303	0.0	0.0	0.0	7.525-08	2.55E-06	2.97E-05
9	6	74	75	22623 <b>.</b> 88	1	5324.94	1.8780	E0E0.0	0.0	0.0	3.38E-06	6-14E-05	3.91E-04	1.30E-03
16	13	65	64	32762.48	1	5325.53	1.8777	0.0303	0.0	0.0	5.57E-08	4.35E-06	7.33E-05	5.18E-04
12	,8	5 1	52	23159.78	1	5325.54	1.8777	0.0303	0.0	0.0	5.39E-06	1.06E-04	7.09E-04	2.605-03
16	13	2	3	25836.37	1	5325.64	1.8777	0.0609	0.0	0.0	1.90E-07	5.48E-06	4.76E-05	2.09E-04
4	1	104	105	22582.21	1	5326.93	1.8773	0.0303	0.0	0.0	1.59E~07	2.87E-06	1.826-05	6.41E-05
14	11	94	93	36786.14	1	5327.85	1.8769	0.0303	0.0	0.0	0.0	5.42E-07	1.34E-05	1.25E-04
14	11	31	32	23950.76	1	5328.05	1.8769	0.0331	0.0	0.0	3.81E-06	8.37E-05	6-06E-04	2.34E-03
1.1	е	59	60	22850.43	1	5328.13	1.8768	0.0303	0.0	0.0	5.27E-06	9.896-05	6.445-04	2.316-03
7	4	75	80	19462.71	2	5328.59	1.8767	0.0303	0.0	0.0	1.32E-07	1.53E-06	7.18E-06	2.04E-05
16	13	64	63	32551.91	1	5329.23	1.8764	E0E0.0	0.0	0.0	6.30E-08	4.77E-06	7.88E-05	5.49E-04
16	13	1	2	25626.20	1	5329.24	1.8764	0.0606	C • O	0.0	1.29E-07	3.70E-06	3.21E-05	1 • 4 1 E- Ó 4
15	12	81	80	34826.92	1	30.0E	1.8761	0.0303	0.0	0.0	0.0	1.58E-06	3.25E-05	2.65E-04
15	12	16	15	24636.09	1	01.0862	1.8761	0.0552	0.0	0.0	1.99E-06	4.83E-05	3.73E-04	1.51E-03
8	5	72	73	19550.86	2	5330.20	1.8761	0.0303	0.0	0.0	2.00E-07	2.33E-06	1.11E-05	3.16E-05
3	0	109	110	22554.35	1	5331.32	1.8757	0.0303	0.0	0.0	0.0	7.09E-07	4,49E-06	1.588-05
13	10	104	103	36264.10	1	5331.90	1.8755	E0E0.0	0.0	0.0	0.0	2.27E-07	6.48E-06	6.69E-05
13	10	41	42	23365.33	1	5331.97	1.8755	. E0E0.0	0.0	0.0	~5.35E-06	1.08E-04	7.43E-04	Ž•77È−03
8	5	60	81	22368.93	1	5332.43	1.8753	E0E0.0	0.0	0.0	2.70E-06	4.73E-05	2.94E-04	1.02E-03
16	13	0	1	25819.42	1	5332.73	1.8752	0.0603	0.0	0.0	6.51E-08	1.27E-06	1.62E-05	7.12E-05
16	13	63	62	32344.45	1	5332.83	1.8752	E0E0.0	0.0	0.0	7.10E-08	5.22E-06	8.45E-05	5.81E-04
5	2	98	95	22342.30	1	<b>5333.56</b>	1.8749	E0E0.0	0.0	0.0	4.79E-07	€.35E-06	5.18E-05	1.79E-04
ε	3	85	8€	19282.05	2	5333.92	1.8748	0.0303	C • O	0.0	8.62E-08	9.65E-07	4.46E-06	1.25E-05
12	9	113	112	39695.24	1	5334.1E	1.8747	0.0303	0.0	0.0	0.0	9.09E-08	2.98E-06	3.39E-05
12	9	50	51	22979.66	1	5334.21	1.8747	E0E0.0	0.0	0.0	6.06E-06	1-16E-04	7.64E-04	2.76E-03
10	7	66	67	22522.63	1	5334.5C	1.8746	E0E0.0	0.0	0.0	5.28E-06	9.45E-05	5.96E-04	2.09E-03
14	11	30	31	23840.83	1	5334.69	1.8745	0.0335	0.0	0.0	4.02E-06	8.69E-05	6.22E-04	2.39E-03
14	11	53	92	36484.12	1	5334.86	1.8745	0.0303	0.0	0.0	0.0	6.29E-07	1.51E-05	1.38E-04
15	12	17	16	24571.17	1	5335.38	1.8743	0.0568	0.0	0.0	1.99E-06	4.79E-05	3.68E-04	1.48E-03
15	12	8 C	79	34565.47	1	5335.6C	1.8742	0.0303	0.0	0.0	0.0	1.80E-06	3.60E-05	2.88E-04
9	6	73	74	22361.64	1	5335.91	1.8741	E0E0.0	0.0	0.0	4.05E-06	7.07E-05	4.40E-04	1.526-03
5	2	91	92	19200.73	2	5335.92	1.8741	E0E0.0	0.0	0.0	4.50E-08	4.98E~07	2.285-06	6.37E-06
16	13	62	61	32140.09	1	5336.31	1.874C	E0E0.0	0.0	0.0	7.99E-08	5.70E-06	9.05E-05	6.13E-04
7	4	86	87	22236.39	1	5336.34	1.8739	0.0303	0.0	0.0	1.83E-06	3.15E-05	1,93E-04	6.65E-04
6	3	92	93	22227.24	1	5336.71	1.8738	0.0303	0.0	0.0	1.05E-06	1.79E-05	1.10E-04	3.78E-04
11	8	5€	59	22641.83	1	5337.61	1.8735	0.0303	0.0	4.01E-08	6.07E-06	1.10E-04	7.05E-04	2.49E-03
16	13	1	0	25816.03	1	5339.41	1.8729	0.0603	0.0	0.0	6.65E-08	1.91E-06	1.65E-05	7.265-05
7	4	78	79	19210.62	2	5339.44	1.8729	0.0303	0.0	0.0	1.60E-07	1.77E-06	8.12E-06	2.27E-05
13	10	40	41	23240.34	1	5339.63	1.8728	0.0303	0.0	0.0	5.84E-06	1.16E-04	7.83E-04	2.88E-03
16	13	61	60	31938.83	1	5339,68	1.8728	0.0303	0.0	0.0	8.96E-08	6.21E-06	9.67E-05	6.47E-04
13	10	103	102	37930.99	1	5340.06	1.8726	E0E0.0	0.0	,0 . 0	0.0	2.69E-07	7.44E-06	7.50E-05
8	5	71	72	19303.21	2	5340.40	1.8725	0.0303	0 • O	0.0	2.37E-07	2.67E-06	1.23E-05	3.47E-05
15	12	16	17	24509.65	1	5340.56	1.8725	0.0585	0.0	0.0	1.98E-06	4.72E-05	3.61E-04	1.45E-03
4	1	103	104	22210.73	1	5340.83	1.8724	E0E0.0	0.0	0.0	2.06E-07	3.53E-06	2.16E-05	7.42E-05
15	12	75	78	34306.98	1	5341.00	1.8723	E0E0.0	0.0	0.0	0.0	2.04E-06	3.99E-05	3.14E-04
14	11	29	30	23734.29	1	5341.22	1.8722	0.0340	0.0	0.0	4.22E-06	8.995-05	6.37E-04	2.436-03
14	11	52	91	36184.92	1	5341.74	1.8720	0.0303	0.0	0.0	0.0	7.28E-07	1.70E-05	1.52E-04
16	13	2	1	25819.42	1	5342.59	1.8718	0.0606	0.0	0.0	1.34E-07	3.85E-06	3.34E-05	1.47E-04
12	9	45	50	22802.87	1	5342.79	1.8717	0.0303	0.0	4.336-08	6.80E-06	1.27E-04	8.21E-04	2.93E-03
16	13	60	59	31740.70	1	5342.93	1.8716	0.0303	0.0	0.0	1.00E-07	6.75E-06	1.03E-04	6.80E-04
12	9	112	111	39334,46	1	5343.39	1.8715	C.0303	0.0	0.0	0.0	1.10E~07	3.47E-06	3.85E-05
8	5	75	80	22084.76	1	5344.00	1.8713	0.0303	0.0	0.0	3.29E-06	5.53E-05	3.35E-04	1.14E-03
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10 7 65 66 22288.82 1 5344.68 1.8710 0.0303 0.0 4.48E-08 6.18E-06 1.07E-04 6.68E-04 2.21E-6 3 84 85 16988.68 2 5345.33 1.6708 0.0303 0.0 0.0 1.06E-07 1.14E-06 5.10E-06 1.4 15 12 15 16 24451.53 1 5345.64 1.8707 0.0591 0.0 0.0 1.96E-06 4.64E-05 3.52E-04 1.4 15 12 15 16 24451.53 1 5345.64 1.8707 0.0509 0.0 0.0 0.0 1.96E-06 4.64E-05 3.52E-04 1.4 16 13 3 2 25854.20 1 5345.67 1.8707 0.0509 0.0 0.0 0.0 2.02E-07 5.82E-06 5.04E-05 2.2 3 0 100 109 22164.27 1 5345.70 1.8707 0.0303 0.0 0.0 5.19E-08 8.82E-07 5.36E-06 1.8 16 13 55 86 31545.70 1 5346.08 1.8708 0.0303 0.0 0.0 0.0 1.12E-07 7.56E-06 1.8 16 13 55 86 31545.70 1 5346.28 1.8708 0.0303 0.0 0.0 0.0 1.12E-07 7.56E-06 1.8 16 13 57 86 2144.27 1 5346.78 1.8708 0.0303 0.0 0.0 0.0 0.0 2.31E-06 4.40E-05 3.4 15 12 78 77 34051.46 1 5346.28 1.8708 0.0303 0.0 0.0 0.0 0.0 2.31E-06 4.40E-05 3.4 16 13 57 86 2144.36 1 5346.78 1 1.8708 0.0303 0.0 0.0 0.0 0.0 2.31E-06 4.40E-05 3.4 17 18 57 86 2144.36 1 5346.78 1 1.8702 0.0303 0.0 0.0 0.0 0.0 8.83E-08 8.14E-05 8.08E-05 2.0 18 10 10 2 10 3 3 40 23094.72 1 5347.18 1.8700 0.0355 0.0 0.0 0.0 6.11E-07 1.01E-05 6.68E-05 2.0 18 10 10 2 10 1 37600.60 1 5346.11 1.8658 0.0303 0.0 0.0 0.0 6.35E-0 1.23E-0 8.65E-0 6.55E-0 6.	***
6 3 64 85 16986.06 2 5345.33 1.8708 0.0303 0.0 0.0 1.06E-07 1.14E-06 5.10E-06 1.4 15 12 18 16 24451.53 1 5345.64 1.8707 0.0591 0.0 0.0 1.96E-06 4.64E-05 3.52E-04 1.4 16 13 3 2 25526.20 1 5345.67 1.8707 0.0303 0.0 0.0 2.02E-07 5.22E-07 5.22E-06 5.04E-05 2.2E-06 1.00E-07 1.14E-06 1.2E-07 1.01E-06 1.2E-07 1.2E-07 1.01E-06 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07 1.2E-07	3500
6 3 E4 85 1698-66 2 5345-33 1.2708 0.0303 0.0 0.0 1.06E-07 1.14E-06 5.10E-06 1.4 15 12 15 16 24451.53 1 5345.64 1.2707 0.05091 0.0 0.0 1.96E-06 4.64E-08 3.52E-04 1.4 16 13 3 2 25826.20 1 5345.67 1.2707 0.0503 0.0 0.0 2.02E-07 5.82E-06 5.04E-05 2.28 16 13 55 58 31845.70 1 5345.67 1.2707 0.0303 0.0 0.0 0.0 5.19E-08 8.82E-07 5.82E-06 2.88 16 13 57 58 31845.70 1 5346.08 1.2705 0.0303 0.0 0.0 0.0 1.12E-07 7.36E-06 1.10E-04 7.38E-04 1.48 16 13 57 58 31845.70 1 5346.08 1.2705 0.0303 0.0 0.0 0.0 0.2 .31E-06 4.00E-05 7.48 17 73 4059.25 1 5346.79 1.2705 0.0303 0.0 0.0 0.0 0.0 2.31E-06 6.08E-05 3.44 18 57 58 2436.54 1 5347.00 1.0702 0.0303 0.0 0.0 0.0 0.0 2.31E-06 6.08E-05 2.0 11 8 57 58 2436.54 1 5347.00 1.0702 0.0303 0.0 0.0 0.0 6.11E-07 1.01E-08 6.08E-05 2.0 11 8 57 58 2436.54 1 5347.00 1.0702 0.0303 0.0 0.0 0.0 6.35E-06 1.23E-04 8.23E-04 3.0 14 11 22 23 23631.13 1 5347.05 1.2700 0.0355 0.0 0.0 0.0 4.44E-06 9.31E-05 6.58E-04 3.0 14 11 22 29 23631.13 1 5347.65 1.2700 0.0355 0.0 0.0 0.0 4.44E-06 9.31E-05 6.58E-04 7.7 13 10 102 101 3760.60 1 5346.11 1.2658 0.0303 0.0 0.0 0.0 3.10E-07 8.53E-04 7.5 14 11 91 90 35888.57 1 5348.52 1.8657 0.0303 0.0 0.0 0.0 2.2TE-06 3.73E-05 2.23E-04 7.5 16 13 58 58 6 31853.83 1 5347.65 1.8657 0.0303 0.0 0.0 0.0 2.2TE-06 6.76E-07 2.23E-04 7.5 16 13 58 58 6 31853.83 1 5348.61 1.8657 0.0303 0.0 0.0 0.0 0.0 8.40E-07 1.01E-05 2.23E-04 7.5 16 13 58 58 6 31853.83 1 5348.64 1.8659 0.0303 0.0 0.0 0.0 0.0 8.40E-07 1.01E-05 1.661 1.23E-04 7.7 18 11 91 90 35888.57 1 5348.52 1.8657 0.0303 0.0 0.0 0.0 0.0 8.40E-07 1.01E-05 1.661 1.23E-04 7.7 18 11 91 90 35888.57 1 5348.52 1.8657 0.0303 0.0 0.0 0.0 0.0 8.40E-07 1.01E-05 1.661 1.23E-04 4.22 18 12 12 12 12 12 12 12 12 12 12 12 12 12	8E-03
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13   10   102   101   37600.60   1   5348.51   1.8659   0.0303   0.0   0.0   0.0   3.18E-07   8.53E-06   8.44   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55   7.55	7E-03
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77704 01 27014 04 01474 04 01474	6E-04
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	5E-03
	1E-04
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	2E-04
	5E-04
	4E-03
	5E-03
	6E-05
7 4 84 85 21627.34 1 5360.57 1.8655 0.0303 0.0 0.0 2.81E-06 4.42E-05 2.56E-04 8.4	4E-04

# MGLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE

, vu	٧Ļ	Jü	JL	LOWER STATE	CODE	WAVE	WAVE Length	HALF Width	*******	** INTEGRATI	ED ** ABSORF C#*GR	TION ** COS	EFFICIENT *	
				ENERGY		CM-1	MICRON	н2	$\tau = 1000$	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
-	4	76	77	18675.82		5360.89	1.8č54	0.0303	0.0	0.0	2.31E-07	2.37E-06	1.03E-05	2.78E-05
7 15	12		74	33302.84	2 1	5361.44	1.8652	0.0303	0.0	0.0	0.0	3.31E-06	5.87E-05	4.31E-04
12	12	110		38620.75	i	5361.44	1.8652	0.0303	0.0	0.0	. 0.0	1.59E-07	4.70E-06	4.96E-05
14	11	£5	88	35304.45	î	5361.70	1.8651	0.0303	0.0	0.0	0.0	1.12E-06	2.41E-05	2.03E-04
16	13	9	8	25938.07	i	5361.92	1.8650	0.0624	0.0	0.0	5.95E-07	1.74E-05	1.52E-04	6.76E-04
	10	37	38	22825.61	î	5362.02	1.8650	0.0303	0.0	4.70E-08	7.43E-06	1.39E-04	9.03E-04	3.23E-03
13 6	E	90	91	21574.38	i	5362.11	1.8649	0.0303	0.0	0.0	1.64E-06	2.56E-05	1.48E-04	4.85E-04
16	13	53 E3	52	30441.87	î	5362.55	1.8648	0.0303	0.0	0.0	2.12E-07	1.18E-05	1.60E-04	9.64E-04
13	10	100	99	36948.03	ī	5363.83	1.8643	0.0303	0.0	0.0	0.0	4.426-07	1.11E-05	1.05E-04
16	13	10	9	25968.57	ī	5364.26	1.8642	0.0624	0.0	0.0	6.53E-07	1.92E-05	1.69E-04	7.49E-04
10	7	63	64	21831:04	ī	5364.77	1.8640	0.0303	0.0	6.75E-08	8.40E-06	1.36E-04	8.04E-04	2.69E-03
16	13	52	51	30269.01	ī	5364.91	1.8640	E0E0.0	0.0	0.0	2.33E-07	1.27E-05	1.69E-04	1.01E-03
15	12	11	12	24253.14	1	5364.93	1.8640	0.0617	0.0"	″o.o	1.75E-06	4.02E-05	3.00E-04 "	‴1.18E-Ö3
11	3	55	56	22035.89	ī	5365.48	1.8638	E0E0.0	0.0	6.97E-08	9.11E-06	1.52E-04	9.16E-04	3.11E-03
15	12	74	73	33059.32	ī	5366.26	1.8635	0.0303	0.0	0.0	4.55E-08	3.71E-06	6.44E-05 T	4.65E-04
14	11	25	26	23342.06	ī	5366.34	1.8635	0.0418	0.0	0.0	5.03E-06	1.01E-04	6.92E-04	2.575-03
16	13	11	10	26002.45	1	5366.49	1.8634 **	0.0625	0.0	0.0	7.08E-07	2.09E-05	1.845-04	8.20E-04
8	5	77	78	21525.99	1	5366.86	1.8633	0.0303	0.0	4.19E-08	4.84E-06	7.51E-05	4.31E-04	1.41E-03
16	13	51	50	30099.34	1	5367.15	1.8632 "	" E0E0.0"	0.0	0.0	2.56E-07	1.36E-05	1.78E-04	"1.05E-03
6	3	82	83	16411.21	2	5367.89	1.8629	0.0303	0.0	0.0	1.58E-07	1.56E-06	6.65E-06	1.76E-05
12	9	46	47	22292.60	1	5367.93	1.8629	C0E0.0	0.0	6 77E-08	9.42E-06	1.63E-04	1.01E-03	3.48E-03
14	11	68	87	35016.70	ì	5368.12	1.8629	E0E0.0	0.0	0.0	0.0	1.30E-06	2.715-05	2.24E-04
9	6	70	71	21594.31	1	5368.27	1.8628	0.0303	0.0	5.81E-08	6.84E-06	1.07E-04	6.18E-04	2.04E-03
4	1	101	102	21476.80	1	5368.36	1.8628	0.0303	0.0	0.0	3.44E-07	5.30E-06	3.03E-05	9.898-05
16	13	12	11	26039.71	1	5368.62	T1.8627	0.0617	~ 0.0	0.0	7.59E-07	2.25E-05	1.99E-04"	8-90E-04
12	10	36	37	22694.13	1	5369.28	1.8624	80E0.0	0.0	5.225-08	8.00E-06	1.47E-04	9.42E-04	3.34E-03
16	13	50	49	29932.87	1	5369.28	1.8624	0.0303	0.0	0.0	2.80E-07	1.46E-05	1.87E-04	1.09E-03
15	12	10	11	24212.08	1	5369.50	1.8624	0.0625	0.0	0.0	1.67E-06	3.81E-05	2.83E-04	1.11E-03
12	9	109	108	38267.86	1	5370.29	1.8621	E0E0.0	0.0	0.0	0.0	1.91E-07	5.45E-06	5.62E-05
8	5	68	69	18579.22	2	5370.50	1.8620	E0E0.0	0.0	0.0	3.88E-07	3.93E-06	1.70€-05	4.54E-05
16	13	13	12	26060.36	1 7	5370.63	1.8620	0:0610	0.0	0.0	8.06E-07	2.41E-05	2.14E-04	9.57E-04
15	12	73	72	32818.82	1	5370.97	1.8619	0.0303	0.0	0.0	5.28E-08	4.16E-06	7.04E-05	5-00E-04
16	13	49	48	29769.62	1	5371.29	1.8617	E0E0.0	0.0	0.0	3.06E-07	1.555-05	1.96E-04	1.13E-03
7	4	75	76	18413.12	2	5371.49	1.8617	0.0303	0.0	0.0	2.77E-07	2.74E-06	1.16E-05	3.08E-05
13	10	99	98	36625.89	1	5371.52	1.8617	0.0303	0.0	0.0	0.0	5.20E-07	1.27E-05	1.17E-04
5	2	88	89	18265.99	2	5371.54	1.8617	E0E0.0	0.0	0.0	8.60E-08	8.33E-07	3.495-06	9.14E-06
14	11	24	25	23252.52	1	5372.37	1.8614	0.0437	0.0	10:0	5.21E-06	1.04E-04	7.01E-04	2.59E-03 9.49E-04
7	4	63	84	21327.55	1	5372.54	1.8613	0.0303	0.0	0.0	3.46E-06	5.22E-05	2.94E-04 2.28E-04	1.02E-03
16	13	14	13	26124.39	1	5372.55	1.8613	0.0604	0.0	0.0	8.49E-07	2.55E-05		1.02E-03
16	13	48	47	29609.58	1	5373.20	1.8611	E0E0.0	0.0	0.0	3.33E-07	1.65E-05	2.06E-04 8.32E-05	2.69E-04
5	2	95	96	21302.14	1	5373.27	1.8611	E0E0.0	0.0	0.0	9.87E-07	1.40E-05	2.64E-04	1.04E-03
15	12	9	10	24174.43	1	5373.96	1.8608	0.0624	0.0	0.0	1.57E-06 8.92E-08	3.56E-05 1.36E-06	7.69E-06	2.50E-05
3	0	106		21392.98	1	5374.20	1.8607	E0E0.0	0.0	0.0		2.68E-05	2.41E-04	1.08E-03
16	13	15	14	26171.80	1	5374.35	1.8607	0.0597	0.0	0.0	8.87E-07	1.50E-06	3.05E-05	2.47E-04
14	11	<b>87</b>	86	34731.85	1	5374.42	1.8607 1.8606	0.0303 0.0303	0.0	0.0 8.31E-08	0.0 1.04E-05	1.68E-04	9.96E-04	3.33E-03
11	8	54	55	21840.56	1	5374.57		0.0303	0.0	8.27E-08	9.75E-06	1.538-04	8.856-04	2.92E-03
10	7	62	63	21607.08	1	5374.66 5374.67	1.8606 1.8606	0.0303	0.0	0.0	2.05E-06	3.05E-05	1.715-04	5.49E-04
6	E 13	89 47	90 46	29452.77	1	5374.07	1.8605	0.0303	0.0	0.0	3.61E-07	1.75E-05	2.15E-04	1.216-03
16 15	12	72	71	32581.36	1	5375.56	1.8603	0.0303	0.0	0.0	6.10E-08	4.64E-06	7.70E-05	5.38E~04
16	13	16	15	26222.57	ů	5376.05	1.8601	0.0591	0.0	0.0	9.21E-07	2.81E-05	2.53E-04	1-14E-03
12	9	45	46	22129.23	i	5376.05	1.8601	0.0303	0.0	7.806-08	1.04E-05	1.76E-04	1.075-03	3.66E-03
13	10	3.5	36	22566.05	î	5376.45	1.8600	0.0312	0.0	5.78E-08	8.59E-06	1.55E-04	9.81E-04	3.45E-03
14		- 4	30		•	JU: J: 45							· ·	

VV	٧L	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	******	** INTEGRATE	ED ** ABSORF CM*GN		EFFICIENT *:	*****
				ENERGY		CN-1	MICRGN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
16	13	46	45	29299.19	1	5376.67	1.8599	0.0303			2 015 07			
11		117		39467.57	i	5377.57	1.8596	0.0303	0.0	0.0	3.91E-07	1.85E-05	2.24E-04	1.25E-03
16	13	17	1€	26276.73	ī	5377.65	1.8555	0.0585	0.0	0.0	0.0 9.50E-07	8.25E-08 2.92E-05	2.65E-06	2.96E-05
8	5	76	77	21251.42	ī	5378-15	1.8594	0.0303	0.0	5.40E-08	5.86E-06	E.73E-05	2.64E-04	1.205-03
16	13	45	44	29148.84	ï	5378.24	1.8593	E0E0.0	0.0	0.0	4.21E-07	1.96E-05	4.88E-04 2.33E-04	1.578-03
14	11	23	24	23166.39	ī	5378.29	1.8593	0.0457	0.0	0.0	5.37E-06	1.055-04	7.08E-04	1.29E-03
15	12	8	9	24140.20	ū	5378.33	1.8593	0.0624	0.0	0.0	1.46E-06			S.60E-03
9	6	69	70	21345.04	ī	5378.87	1.8591	0.0303	0.0	7.31E-08	8.10E-06	3.30E-05 1.22E-04	2.43E-04	9.53E-04
12	9	108	107	37917.62	ī	5379.02	1.8591	0.0303	0.0	0.0	0.0	2.28E-07	6.90E-04 6.32E-06	2.23E-03
6	3	£1	82	18127.12		5379.04	1.8591	0.0303	0.0	0.0	1.93E~07	1.83E-06	7.57E-06	6.36E-05
13	10	98	97	36306.52	_	5379.08	1.8591	0.0303	0.0	0.0	0.0	6.10E-07	1.44E-05	1.96E-05
16	13	18	17	26334.25		5379.13	1.8590	0.0568	0.0	0.0	9.74E~07	3.02E-05	2.74E-04	1.306-04
16	13	44	43	29001.74	1	5379.70	1.8588	0.0303	0.0	0.0	4.53E-07	2.06E-05		1.25E-03
15	12	71	70	32346.95	1	5380.04	1.8587	E0E0.0	0.0	0.0	7.04E-08	5.18E-06	2.42E-04 8.39E-05	1.33E-03 5.77E-04
8	5	67	68	18344.26	2	5380.35	1.8586	0.0303	0.0	0.0	4.55E-07	4.46E-06	1.88E-05	
16	13	19	16	26395.14	1	5380.51	1.8586	0.0552	0.0	0.0	9.92E-07	3.102-05	2.64E-04	4.95E-05
14	11	86	85	34449.91	ī	5380.61	1.8585	0.0303	0.0	0.0	0.0	1.72E-06	3.42E-05	1.30E-03 2.71E-04
16	13	43	42	28857.89	1	5381.05	1.8584	0.0303	0.0	0.0	4.86E-07	2.176-05	2.51E-04	2.71E-04 E0-36E-03
16	13	20	19	26459.40	1	5381.78	1.8581	0.0535	0.0	0.0	1.01E-06	3.17E-05	2.92E-04	1.34E-03
4	1	100	101	21114.38	1	5361.99	1.8580	0.0303	0.0	0.0	4.43E-07	6.48E-06	3.58E-05	1.14E-04
7	4	74	75	18153.57	2	5381.99	1.8580	E0E0.0	0.0	0.0	3.31E-07	3.15E-06	1.31E-05	3.40E-05
16	13	42	41	28717.30	1	5382.29	1.8579	0.0303	0.0	0.0	5.20E-07	2.27E-05	2.60E-04	1.39E-03
15	12	7	ŧ	24109.38	1	5382.58	1.8578	0.0623	0.0	0.0	1.34E-06	3.00E-05	2.21E-04	8-64E-04
16	13	21	20	26527.02	i	5382.95	1.8577	0.0515	0.0	0.0	1.02E-06	3.23E-05	3.00E-04	1.386-03
5	2	€7	88	17960.53	2	5383.25	1.8576	0.0303	0.0	0.0	1.07E-07	9.88E-07	4.02E-06	1.03E-05
16	13	41	40	26579.97	1	5383.42	1.8576	0.0303	0.0	0.0	5.54E-07	2.37E-05	2.68E-04	1.42E-03
13	10	34	36	22441.36	1	5383.51	1.8575	0.0317	0.0	6.37E-08	9.19E-06	1.63E-04	1.02E-03	3.55E-03
11	8	53	54	21648.56	1	5383.57	1.8575	0.0303	0.0	9.88E-08	1.18E-05	1.865-04	1.08E-03	3.57E-03
16	13	22	21	26598.00	1	5384.0C	1.8574	0.0496	0.0	0.0	1.026-06	3.28E-05	3.06E-04	1.42E-03
14	11	22	23	23083.67	ì	5384 .12	1.8573	0.0476	0.0	0.0	5.51E-06	1.07E-04	7.12E-04	2.60E-03
12	9	44	<b>~45</b>	21969.23	· 1	5384.20	1.8573	0.0303	0.0	8.96E-08	1.15E-05	1.91E-04	1.14E-03	3.85E-03
15	12	70	69	32115.60	1	5384.40	1.8572	0.0303	0.0	0.0	8.10E-08	5.76E-06	9.14E-05	6.18E-04
7	4	€2	83	21030.94	1	5384.43	1.8572	E0E0.0	0.0	4-14E-08	4.26E-06	6.15E-05	3.36E-04	1.07E-03
16	13	46	39	28445.91	1	5384.44	1.8572	0.0303	0.0	0.0	5.89E-07	2.47E-05	2.76E-04	1.45E-03
10	7	61	62	21386.43	ì	5384.47	1.8572	0.0303	0.0	1.01E-07	1.13E-05	1.72E-04	9.72E-04	3.16E-03
16	13	23	22	26672.34	1	5384.95	1.8570	0.0476	0.0	0.0	1.02E-06	3.31E-05	3.11E-04	1.45E-03
16	13	39	зє	28315.13	1	5385.34	1.8569	0.0303	0.0	0.0	6.24E-07	2.57E-05	2.83E-04	1.48E-03
16	13	24	23	26750.03	1	5385.79	1.8567	0.0457	0.0	0.0	1.01E-06	3.336-05	3.16E-04	1.48E-03
16	13	36	37	26167.63	1	5386.14	1.8566	0.0303	0.0	0.0	6.59E-07	2.67E-05	2.90E-04	1.50E-03
5	2	94	95	20961.57	1	5386.32	1.8566	0.0303	0.0	0.0	1.25E-06	1.79E-05	9.725-05	3.06E-04
16	13	25	24	26831.07	1	5386.52	1.8565	0.0437	0.0	0.0	1.00E-06	3.346-05	3.19E-04	1.506-03
13	10	57	96	35989.95	1	5386.53	1.8565	E0E0.0	0.0	0.0	0.0	7.14E-07	1.64E-05	1.45E-04
14	11	65	84	34170.88	1	5386.67	1.8564	0.0303	0.0	0.0	0.0	1.988-06	3.82E-05	2.98F-04
15	12	É	7	24081.99	1	5386.74	1.8564	0.0620	0.0	0.0	1.20E-06	2.69E-05	1.97E-04	7.71E-04
16	13	37	36	28063.42	1	5386.83	1.8564	80E0.0	0.0	0.0	6.94E-07	2.76E-05	2.96E-04	1.52E-03
6	3	8.9	89	20934.01	1	5387.14	1.8563	E0E0.0	0.0	0.0	2.56E-06	3.65E-05	1.98E-04	6.228-04
16	13	26	25	26915.45	1	5387.15	1.8563	0.0418	0.0	0.0	9.91E-07	3.34E-05	3.21E-04	1.52E-03
11	_	116	115	39092.48	1	5387.23	1.8562	E0E0.0	0.0	0.0	0.0	1.00E-07	3.11E-06	3.39E-05
16	13	36	35	27942.50	1	5387.40	1.8562	0.0312	0.0	0.0	7.28E-07	2.84E-05	3.02E-04	1.54E-03
12			-	37570.06	1	5387.63	1.8561	0.0303	0.0	0.0	0.0	2.73E-07	7.31E-06	7:19E-05
16	13	27	26	27003.18	1	5387.66	1.8561	39E0.0	0.0	0.0	9.74E-07	3.32E-05	3.23E-04	1.54E-03
16	13	35	34	27824.87	1	5387.87	1.8560	0.0317	0.0	0.0	7.61E-07	2.92E-05	3.07E-04	1.55E-03
16	13	28	27	27094.25	i	5388.07	1.8560	0.0379	0.0	0.0	9.54E-07	3.306-05	3.23E-04	1.55E-03

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vu	٧Ł	JU	٦٢	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATI	ED ** ABSOR CM*G	PTION ** CO	EFFICIENT *	*****
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	000E = T	T = 3500
16	13	34	33	27710.55		5388.22	1.8559	0.0321	0.0	0.0	7.93E~07	3.00E-05	3.11E-04	1.56E-03
3	0	105		21011.81	1	1E.88E2	1.8559	0.0303	0.0	0.0	1.16E-07	1.68E-06	9.17E-06	2.90E-05
16	13	25	28	27188.66		5388.37	1.8558	0.0359	0.0	0.0	9.316-07	3.26E-05	3.22E-04	1.56E-03
16	13	33	32	27599.54	1	5388.47	1.8558	0.0326	0.0	0.0	8.24E-07	3.06E-05	3.15E-04	1.56E-03
16	E 1	30	29	27286.39	1	5388.56	1.8558	0.0340	0.0	0.0	9.04E-07	3.21E-05	3.20E-04	1.56E-03
16	13	32	31	27491.84	1	5388.61	1.8558	0.0331	0.0	0.0,	8.53E-07	3.12E-05	3.18E-04	1.57E-03
16	13	31	30	27387.45		5388.64	1.8558	0.0335	0.0	0.0	8.80E-07	3.17E-05	3.19E-04	1.566-03
15	12	69	68	31887.32		5388.65	1.8558	0.0303	0.0	0.0	9.29E-08	6.40E-06	9.93E-05	6.61E-04
e	5	75	76	20980.08	1	5389.35	1.8555	0.0303	0.0	6.95E-08	7.06E-06	1.01E-04	5.51E-04	1.74E-03
9	6	68	69	21099.03	1	5389.38	1.8555	0.0303	0.0	9.16E-08	9.57E-06	1.40E-04	7.69E-04	2.45E-03 2.59E-03
14	11	21	22	23004.38	1	5389.85	1.8553	0.0496	0.0	0.0	5.63E-06	1.08E-04	7.14E-04 8.60E-06	2.196-05
6	3	80	81	17846.16		5390.10	1.8553	0.0303	0.0	0.0	2.34E-07	2.14E-06		5.40E-05
e	5	66	67	18112.48	2	5390.12	1.8552	E0E0.0	0+0"	0.0	5.32E-07	5.04E-06	2.08E-05	3.40E-03
13	10	33	34	22320.07		5390.48	1.8551	12E0.0	0.0	7.00E-08	9.80E-06	1.70E-04	1.06E-03	6.72E-04
15	12	5	6	24058.02	1	5350.79	1.8550	0.0617	0.0	0.0	1.06E-06	2.36E-05	1.72E-04 1.21E-03	4.05E-03
12	S	43	44	21812.60	1	5392.19	1.8545	0.0303	0.0	1.025-07	1.27E-05	2.05E-04 3.63E-06	1.47E-05	3.75E-05
7	4	73	74	17897.18	2	5392.41	1.8545	£0.0303	0.0	0.0	3.95E-07	2.05E-04	1.17E-03	3.81E-03
11		52	53	21459.91	1	5392.48	1.8544	0.0303	. 0.0	1.17E-07	1.33E-05	2.03E-04 2.27E-06	4.27E-05	3.81E-03
14	11	84	83	33854.79	1	5392.62	1.8544	0.0303 T	0.0	0.0	0.0 1.06E-07	7.09E-06	1.08E-04	7.06E-04
15	12	.68	67	31662.11	1	5392.78	1.8543	0.0303	0.0	0.0	0.0	8.35E-07	1.866-05	1.61E-04
13	10	''96	95	35676.18	1	5393.86	1.8540	0.0303	-` 0.0	1.236-07	1.30E-05	1.92E-04	1.075-03	3.41E-03
10	7	60	61	21169.09	1	5394.18	1.8538	0.0303	0.0	0.0	8.99E-07	2.00E-05	1.46E-04	5.69E-04
15	12	4	5	24037.46		5394.73	1.8537	0.0614 0.0303	0.0	0.0	1.32E-07	1.17E-06	4.63E-06	1.16E-05
5	. 2	86	87 21	17658.15 22928.51	2	5394.86 5395.47	1.8536 1.8534	7.0.0515	0.0	0.0	5.72E-06	1.09E-04	7.13E-04	2.57E-03
14	11	20	100	20755.00	ı	5395.54	1.8534	C.0303	0.0	0.0	5.70E-07	7.91E-06	4.22E-05	1.31E-04
. 4	1					5396.12	1.8532	E0E0.0	0.0	0.0	0.0	3.26E-07	8.44E-06	8.11E-05
12	9	106	105	37225.20 20737.52	1	5396.22	1.8531	E0E0.0	0.0	5.45E-08	5.22E-06	7.23E-05	3.85E-04	1.19E-03
7	4	92	93	17590.57		5396.30	1.8531	0.0303	0.0	0.0	5.45E-08	4.79E-07	1.885-06	4.71E-06
4 11	9	115		38719.96	1	5396.77	1.8530	C.0303	0.0	0.0	0.0	1.22E-07	3.65E-06	3.88E-05
15	12	67	66	31439.99	i -	5396.80		0.0303	. 0.0	0.0	1.21E-07	7.84E-06	1.17E-04	7.53E-04
13	10	32	33	22202.19	î	5397.35	1.8528	0.0326	0.0	7.65E-08	1.04E-05	1.78E-04	1.09E-03	3.74E-03
14	11	83	82	33621.65	1	5396.46	1.8524	E0E0.0'	0.0	0.0	0.0	2.60E-06	4.77E-05	3.58E-04
15	12	3	4	24020.34	ī	5398.58	1.8523	0.0611	0.0	0.0	7.34E-07	1.63E-05	1.19E-04	4.62E-04
5	2	93	94	20624.10	1	5399.28	1.8521	0.0303	0.0	0.0	1.586-06	2.15E-05	1.13E-04	3.49E-04
6	3	87	88	20618.54	i	5399.52	1.8520	0.0303	0.0	0.0	3.20E-06	4.35E-05	2.29E-04	7.05E-04
9	6	67	68	20856.30		5399.79	1.8519	0.0303	0.0	1.14E-07	1.136-05	1.59E-04	8.56E-04	2.688-03
é	5	65	66	17883.92		5399.80	1.8519	0.0303	0.0	0.0	6.21E-07	5.69E-06	2.30E-05	5.87E-05
12	9	42	43	21659.36		5400.09	1.8518	E0E0.0	0.0	1.17E-07	1.40E-05	2.21E-04	1.28E-03	4.245-03
8	5	74	75	20711.97		5400.45	1.8517	0.0303	0.0	8.91E-08	8.49E-06	1.17E-04	6.22E-04	1.93E-03
15	12	66	65	31220.98		5400.71	1.8516	0.0303	0.0	0.0	1.38E-07	8.65E-06	1.26E-04	8.01E-04
14	11	19	20	22856.06		5400.99	1.8515	0.0535	0.0	0.0	5.79E-06	1.09E-04	7.09E-04	2.55E-03
13	10	95	94	35365.23		5401.07	1.8515	0.0303	0.0	0.0	0.0	9.74E-07	2.11E-05	1.78E-04
-6	3	79	80	17568.32		5401.08	1.8515	E0E0.0	0.0	0.0	2.84E-07	2.49E-06	9.76E-06	2.44E-05
11	٤	51	52	21274.62		5401.28	1.8514	0.0303	0.0	1.38E-07	1.51E-05	2.25E-04	1.26E-03	4.07E-03
15	12	. 2	3	24006.64		5402.32	1.8511	0.0609	0.0	0.0	5.60E-07	1.24E-05	9.03E-05	3.51E-04
3	0	104	105	20633.65	1	5402.34	1.8510	0.0303	0.0	0.0	1.52E-07	2.07E-06	1.09E-05	3.37E-05
7	4	72	73	17643.96		5402.74	1.8509	E0E0.0	0.0	0.0	4.70E-07	4.16E-06	1.64E-05	4.12E-05
10	7	55	60	20955.06	1	5403.79	1.8506	E0E0.0	0.0	1.49E-07	1.50E-05	2.15E-04	1,17E-03	3.68E-03
13	10	31	32	22087.72	1	5404.11	1.8504	1EE0.0	0.0	8.32E-08	1.10E-05	1.85E-04	1.12E-03	3.83E-03
14	11	82	81	33351.46	1	5404.17	1.8504	E0E0.0	C.O	0.0	0.0	2.97E-06	5.31E-05	3.91E-04
12	9	105	104	36883.04		5404.49	1.8503	E0E0.0	0.0	0.0	0.0	3.89E-07	9.73E-06	9.14E-05
1 4	15	4 5	64	31005.07	1	5404.50	1.8503	0.0303	0.0	0.0	1.57E-07	9.528-06	1.36E-04	8.516-04

VU	٧L	JU	JĻ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH			ED ** ABSCRI CM*GI	V-1		
				ENERGY		CM-1	MICREN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = .3500
15	12	1	2	23996.36	1	5405.95	1.8498	0.0606	0.0	0.0	3.79E-07	8.38E-06	6.10E-05	2.37E-04
1 1	8	114		38350.04	1	5406.19	1.8497	0.0303	0.0	0.0	0.0	1.48E-07	4.27E-06	4.44E-05
5	2	€ 5	86	17358.87	2	5406.39	1.8497	E0E0.0	C+0	0.0	1.63E-C7	1.38E-06	5.31E-06	1.315-05
14	11	18	19	22787.05	1	5406.41	1.8497	0.0552	0.0	0.0	5.83E-06	1.08E-04	7.02E-04	2.51E-03
12	S	41	42	21509.51	1	5407.88	1.8492	E0E0.0	0.0	1.32E-07	1.53E-05	2.36E-04	1.36E-03	4.44E-03
7	4	80	81	20447.30	1	5407.92	1.8491	0.0303	0.0	7.15E-08	6.39E-06	8.49E-05	4.39E-04	1.34E-03
13	10	54	93	35057.12	1	5408.16	1.8491	0.0303	0.0	0.0	0.0	1.13E-06	2.38E-05	1.97E-04
15	12	€4	63	30792.28	1	5408.17	1.8491	0.0303	0.0	0.0	1.785-07	1.05E-05	1.46E-04	9.03E-04
4	1	91	92	17269.87	2	5408.37	1.8490	E0E0.0	0.0	0.0	6.81E-08	5.71E-07	2.18E-06	5.33E-06
4	1	98	99	20398.68	i	5408.99	1.8488	0.0303	0.0	0.0	7.30E-07	9.63E-06	4.96E-05	1.51E-04
8	5	64	65	17658.56	2	5409.38	1.8486	E050.0	0.0	0.0	7.225-07	6.415-06	2.54E-05	6.37E-05
15	12	C	1	23989.51	1	5409.48	1.8486	0.0603	0.0	0.0	1.92E-07	4.24E-06	3.08E-05	1.20E-04
14	11	€1	80	33084.24	1	5409.77	1.8485	0.0303	0.0	0.0	4.14E-08	3.39E-06	5.90E-05	4.27E-04
11	9	50	51	21092.69	1	5409.99	1.8484	0.0303	0.0	1.63E-07	1.70E-05	2.47E-04	1.36E-03	4.33E-03
ç	6	66	67	20616.86	1	5410.10	1.8484	C.0303	0.0	1.426-07	1.33E-05	1.81E-04	9.50E-04	2.93E-03
13	10	30	31	21976.67	1	5410.78	1.8482	0.0335	0.0	9.026-08	1.16E-05	1.93E-04	1.16E-03	3.90E-03
8	5	73	74	20447.11	1	5411.46	1.8479	0.0303	0.0	1.148-07	1.02E-05	1.35E-04	7.00E-04	2.13E-03
14	11	17	18	22721.46	1	5411.73	1.8478	0.0568	0.0	0.0	5.84E-06	1.08E-04	6.935-04	2.46E-03
15	12	€3	62	30582.61	1	5411.73	1.8478	0.0303	0.0	0.0	2.01E-07	1.15E-05	1.57E-04	9.56E-04
6	Э	86	87	20306.23	1	5411.81	1.8478	0.0303	0.0	4.60E-08	3.98E-06	5.18E-05	2.64E-04	7.97E-04
6	3	78	79	17293.62	2	5411.97	1.8476	E0E0.0	0.0	0.0	3.44E-07	2.90E-06	1.116-05	2.71E-05
5	2	92	93	20289.75	1	5412.16	1.8477	0.0303	0.0	0.0	1.99E-06	2.50E-05	1.32E-04	
12	9	104	103	36543.60	ī	5412.73	1.8475	E050.0	0.0	0.0	0.0	4.62E-07	1.12E-05	3.97E-04 1.03E-04
7	4	71	72	17393.93	2	5412.98	1.8474	EOEO.O	0.0	0.0	5.57E-07	4.76E-06	1.84E-05	
10	7	5.5	59	20744.37	1	5413.31	1.8473	E0E0.0	0.0	1.81E-07	1.73E-05	2.40E-04	1.285-03	4.53E-05 3.98E-03
13	10	93	92	34751.86	ĭ	5415.14	1.8467	0.0303	0.0	0.0	0.0	1.32F-06	2.69E-05	
15	12	62	61	30376.09	ī	5415.18	1.8467	0.0303	0.0	0.0	2.26E-07	1.25E-05	1.68E-04	2.18E-04 1.01E-03
14	11	28	79	32820.01	1	5415.26	1.8466	E0E0.0	0.0	0.0	4 90E-08	3.86E-06	6.55E-05	4.65E-04
11		113		37982.73	ī	5415.49	1.8466	0.0303	0.0	0.0	0.0	1.80E-07	5.00E-06	
12	9	40	41	21363.06	ì	5415.58	1.8465	0.0303	0.0	1.50E-07	1.67E-05	2.53E~04	1.43E-03	5.06E-05
15	12	1	0	23986.09	ï	5416.23	1.8463	0.0603	0.0	0.0	1.96E-07	4.32E-06	3.146-05	4.636-03
3	C	103		20258.50	i	5416.27	1.8463	E0E0.0	C.O	0.0	1.97E-07	2.55E-06	1.305-05	1.22E-04
14	11	16	17	22659.31	i	5416.95	1.8461	0.0585	0.0	0.0	5.81E-06	1.06E-04		3.9CE-05
13	10	29	30	21869.04	1	5417.35	1.8459	0.0340	0.0	9.74E-08	1.22E-05	2.00E-04	6.80E-04 1.18E-03	2.41E-03 3.97E-03
5	2	84	85	17062.69	2	5417.84	1.8458	0.0303	0.0	0.0	2.00E-07	1.63E-06	6.09E-06	
15	12	61	60	36172.71	ī	5418.52	1.8455	0.0303	0.0	0.0	2.54E-07	1.375-05	1.805-04	1.47E-05 1.07E-03
11		49	50	20914.12	ī	5418.60	1.8455	0.0303	0.0	1.90E-07	1.90E-05	2.71E-04	1.466-03	4.60E-03
8	Ē	63	64	17436.43	2	5418.88	1.8454	0.0303	0.0	0.0	8.38E-07	7.215-06	2.79E-05	6.91E-05
15	12	2	1	23989.51	1	5419.44	1.8452	0.0606	0.0	0.0	3.94E-07	8.72E-06	6.34E-05	
7	4	75	80	20160.30	ì	5419.53	1.8452	0.0303	0.0	9.346-08	7.80E-06			2.46E-04
9	6	65	66	20380.71	ī	5420.32	1.8449	0.0303	0.0	1.77E-07	1.56E~05	9.94E-05 2.05E-04	5.01E-04	1.49E-03
4	1	50	91	16952.23	2	5420.37	1.8449	EDE0.0	0.0	0.0			1.05E-03	3.19E-03
14	11	79	78	32558.77	1	5420.63	1.8448	0.0303	0.0	0.0	8 • 48E - 08	6.80E-07	2.51E-06	6.02E-06
12	9	163		36206.90	i	5420.86	1.8447	0.0303			5.78E-08	4.38E-06	7.25E-05	5.06E-04
15	12	60	59	29972.48	i	5421.74	1.8444	E0E0.0	0.0	0.0	0.0	5.49E-07	1.29E-05	1.15E-04
13	10	92	91	34449.46	ì	5421.99	1.8443	0.0303	0.0 0.0	0.0	2.84E-07	1.49E-05	1.925-04	1.12E-03
14	11	15	16	22600.61	1					0.0	0.0	1.53E-06	3.03E-05	2.41E-04
4	1	57	98	·2C045.44	1	5422.07 5422.35	1.8443	0.0591	0.0	0.0	5.76E-06	1.04E-04	6.64E-04	2.34E-03
8	5	72	73	20185.51	1		1.8442	0.0303	0.0	0.0	9.34E-07	1.17E-05	5.83E-05	1.73E-04
15	12	3	2	23996.36	1	5422.38	1.8442	0.0303	0.0	1.45E-07	1.22E-05	1.56E-04	7.87E-04	2.35E-03
10	7	57	58	20537.02	1	5422.55 5422.73	1.8442	0.0609	0.0	0.0	5.95E-07	1.328-08	9.59E-05	3.72E-04
6	3	77	78	17022.07	2		1.8441	0.0303	0.0	2.18E-07	1.99E-05	2.686-04	1.40E-03	4.29E-03
7	4	70	71	17147.08	2	5422.77	1.8441	E0E0.0	0.0	0.0	4.15E-07	3.36E-06	1.256-05	3.01E-05
•	4	, 0		11141400	4	5423.14	1.8440	E0E0.0	0.0	0.0	6.60E-07	5.44E-06	2.05E-05	4.97E-05

# NCLECULÂR LINE PARAMETÉRS FOR DIATOMIC MOLECULES CARBON MONDXIDE

vu	٧Ŀ	JU	JL	LOWER STATE	COD	E WAVE	WAVE LENCTH	HALF WIDTH		*****	***	* INTEGRATE	ED ** ABSGRI	=TION ** COE V→1	EFFICIENT *	******
				ENERGY		CN-1	MICRCN	H2	7	r = 100	0	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
						r					•	•	•			_
12	ç	35	40	21220.01	1	5423.17	1.8439 ***	"c.ö303"	٠.,	.0		T-69E-07		2.70E-04	1.50E-03	4.82E-03
13	10	28	29	21764.84	î	5423.82	1.8437	0.0359		0.0		1.05E-07	1.29E-05	2.07E-04	1.21E-03	4.05E-03
6	E	85	86	19997.09		5424.01	1.8437	0.0303		0.0	· ~~~	6.16E-08	4.94E-06	6 - 15E-05	3.05E-04 ^	9.01E-04
11	_	112	-	37618.05		5424.67	1.8434	E0E0.0		0.0		0.0	0.0	2.17E-07	5.846-06	5.77E-05
15	12	59	58	29775.43		5424.85	1.8434	0.0303		0.0		0.0	3.19E-07	1.62E-05	2.06E-04	1.19E-03
5	2	91	92	19958.52		5424.94	1.8433	C.0303	(	0.0		0.0	2.50E-06	3.10E-05	1.53E-04	4.51E-04
15	12	4	3	24006.64	1	5425.56	1.8431" "	~0.0611~	- (	0.0		0.0	7.96E-07	1.775-05	1.29E-04	5.00E-04
14	11	78	77	32300.53	1	5425.88	1.8430	0.0303		0.0		0.0	6.79E-08	4.97E-06	8.02E-05	5.50E-04
14	11	14	15	22545.34	1	5427 <b>.</b> 08	" 1.8426" ""	0.0597	'^- (	o•o' *	2 41 4	"o.o.o~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5.66É-06	1.02E-04	6.44E-04	°2•26E-03
11	E	4€	49	20738.93	1	5427.12	1.8426	C.0303	(	0.0		2.22E~07	2.13E-05	2.95E-04	1.57E-03	4.89E-03
15	12	58	5 <b>7</b>	29581.54	1	5427.85	1.8424	E0E0.0	· · · (	0.0	•	0.0	3.58E-07	1.77E-05	2.205-04	1.256-03
8	5	62	63	17217.54	2	5428.29	1.8422	E0E0.0	(	0.0		0.0	9.70E-07	8.08E-06	3.07E-05	7.47E-05
15	12	5	4	24020.34	1	5428.46	1.8421	0.0614	٠ (	0.0		0.0	9.96E-07	2.21E-05	1.61E-04	6.28E-04
13	10	51	96	34149.94	1	5428.73	1.8421	0.0303	(	0.0		0.0	0.0	1.77E-06	3.40E-05	2.65E-04
12	9	102	101	35872.95	1	5428.88	1.8420	~0.0303		0.0		0.0	0.0	6.50E-07	1.48E-05	1.30E-04
5	2	53	84	16769.63	2	5429.2C	1.8419	C0E0.0		0.0		0.0	2.45E-07	1.92E-06	6.97E-06	1.65E-05
10		120		38898.02		5429.59	1.8416	E0E0.0		0.0		0.0	0.0	9.07E-08	2.76E-06	2.97E-05
Ε			103	19886.39		5430.12	1.8416	E0E0.0		0.0	<b>-</b>	0.0	2.566-07	3.14E-06	1.54E-05	4.51E-05
13	10	27	28	21664.07		5430.16	1.8416	0.0379		0.0		1.13E~07	1.35E-05	2.145-04	1.24E-03	4.11E-03
9	6	64	65	20147.87		5430.45	1.8415	0.0303		0.0 0.0' "		2.19E-07	1.82E-05	2.32E-04	1.16E-03	3.48E-03 5.01E-03
12	ç	38	39	21080.37		5430.67	1.8414	" εδέδ.ο"				1.89E-07 "	1.97E-05 4.00E-07	2.87E-04 1.92E-05	1.58E-03 ~ 2.35E-04	1.32E-03
15	12	57	56	29390.83		5430.73	1.8414	0.0303		0.0	_	0.0	7.97E-08	5.62E-06	8.85E-05	5.96E-04
14	11	77	76	32045.30		5431.02	1.8413 1.8413	E0E0.0		0.0		1.22E-07	9.50E-06	1.16E-04	5.70E-04	1.67E-03
7	4	78	79	19876.52		5431.04 26.1543	1.8412	0.0303		.0		0.0	1.195-06	2.66E-05	1.94E-04	7-56E-04
15	12	6 13	14	24037.46 22493.51	1	5431.20	1.8409	0.0604		0.0		0.0	5.53E~06	9.86E-05	6.21E-04	2.18E-03
14 10	11	56	57	20333.01	1	5432.05	1.8409	E0E0.0		3.0	*	2.63E-07	2.295-05	2.99E-04	1.53E-03	4-62E-03
4	ί	89	90	16637.68		5432.28	1.8408	0.0303		.0		0.0	1.05E-07	8.07E-07	2.90E-06	6.78E-06
7	4	65	70	16903.43		5433.20	1.8405	EDEO:0		0.0		0.0	7.79E-07	6.20E-06	2.28E-05	5.456-05
8	5	71	72	19927.18	ī	5433.20	1.8405	E0E0.0		0.0		1.84E-07	1.45E-05	1.79E-04	8.83E-04	2.59E-03
6	3	76	77	16753.69		5433.49		EOEO.O	(	0.0	•	0.0	5.00E-07	3.89E-06	1.41E-05 T	" 3.34E-05
15	12	56	55	29203.32		5433.50	1.8404	0.0303		1.0		0.0	4.45E-07	2.09E-05	2.50E-04	1.39E-03
11		111	110	37256.02		5433.73"	1.8404 "	E0E6.6"	(	0.6	•	0.0	0.0	2.62E-07	6.81E-06 `	6.56E-05
15	12	7	6	24058.02	1	5433.95	1.8403	0.0620		0.0		0.0	1.39E-06	3.09E-05	2.27E-04	8-84E-04
13	10	90	89	33853.30	1	5435.35	1.8398	EOEOGO	(	0.0		0.0	0.0	2.04E-06	3.82E-05	2.91E-04
11	8	47	48	20567.13	1	5435.54	1.8397	E0E0.0	(	0.0		2.59E-07	2.38E-05	3.22E-04	1.695-03	5.17E-03
4	1	56	97	19695.29	1	5435.62	11.8397	EOEO.O		0.0	<i>"</i>	0.0	1.19E-06	1.42E-05	6.85E-05	1.98E-04
14	11	76	75	31793.11	1	5436.04	1.8396	0.0303	+	0.0		0.0	9.33E-08	6.34E-06	9.756-05	6.46E-04
6	Ξ	Ę4	85	19691.13		5436'•1'1 °	1.8396	"EOEOTO"		0.0		8.21E-08	6.12E-06	7.29E-05	3.51E-04	1.02E-03
15	12	55	54	29019.00		5436.15	1.8395	0.0303		0.0		0.0	4.95E-07	2.26E-05	2.66E-04	1.46E-03
12	10	2€	27	21566.74		5436.45	1.8394	80E0.0		0.0	-	1.20E-07	1.41E-05	2.20E-04	1.27E-03	4.17E-03
15	12	8	7	24081.99		5436.53	1.8394	0.0623		0.0		0.0	1.57E-06	3.52E-05	2.59E-04	1.018-03
12	9	101		35541.77		5436.77	1.8393	E0E0.0		0.0*		0.0	0.0	7.69E-07	1.69E-05 5.95E-04	1.45E-04 2.08E-03
14	11	12	13	22445.13		5436.8C	1.8393	0.0610		0.0		0.0	5.36E-06	9.49E-05	3.36E-05	8.07E-05
. 8	5	61	62	17001.87		5437.62	1.8390	E0E0.0		0.0		0.0 4.27E-08	1.12E-06 3.14E-06	9.05E-06 3.71E-05	1.78E-04	5.11E-04
5	2	96 37	91	19630.43		5437.63 5438.07	1.8389	E0E0.0		0.0		2.116-07	2.13E-05	3.71E-05	1.65E-03	5.20E-03
12 15	9 12	54	38 53	26637.89		5438.70	1.8387	0.0303		3.0		0.0	5.49E-07	2.44E-05	2.82E-04	1.53E-03
15	12	9	8	24109.38		5439.01	1.8386	0.0624		.0	-	0.0	1.75E-06	3.94E-05	2.90E-04	1.14E-03
10		119	118	38511.15		5439.59	1.8384	0.0303		0.0		0.0	0.0	1.11E-07	3.26E-06	3.42E-05
5	ź	62	EB	16479.69	2	5440.47	1.8381	EOEOTO		0.0		0.0	3.01E-07	2.25E-06	7.96E-06	1.84E-05
9	-	63	64	19918.36		5440.48	1.8381	0.0303		0.0		2.69E-07	2.126-05	2.61E-04	1.298-03	3.78E-03
14	11	75	74	31543.96		5440.94	1.8379	0.0303		0.0		0.0	1.09E-07	7.14E-06	1.07E-04	6.98E-04

٧u	٧L	JU	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATI	ED ** ABSCRE		EFFICIENT *	*****
				ENERGY		CM-1	MICRGN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
15	12	53	52	28659.99	1	5441.13	1.8379	0.0303	0.0	0.0	6.06E-07	2.63E-05	2.99E-04	1.60E-03
10	7	55	56	96.55103	1	5441.28	1.8378	0.0303	0.0	3.15E-07	2.62E-05	3.32E-04	1.67E-03	4.97E-03
15	12	10	S	24140.20	1	5441.38	1.8378	0.0624	0.0	0.0	1.925-06	4.356-05	3.21E-04	1.26E-03
14	11	11	12	22400.19	1	5441.5C	1.8377	0.0617	0.0	0.0	5.156-06	9.07E-05	5.66E-04	1.97E-03
13	10	89	88	33559.57	1	5441.86	1.8376	E050.0	0.0	0.0	0.0	2.36E-06	4.31E-05	3.22E-04
7	4	77	78	19595.97	1	5442.46	1.8374	E0E0.0	0.0	1.58E-07	1.15E-05	1.36E-04	6.47E-04	1.866-03
13	10	25	26	21472.84	1	5442.61	1.8374	0.0418	0.0	1.28E-07	1.47E-05	2.26E-04	1.29E-03	4.21E-03
11		110		36896.64	1	5442.67	1.8373	E0E0.0	, 0.0	0.0	0.0	3.16E-07	7.93E-06	7.456-05
7	4	68	69	16662.99	2	5443.18	1.8372	E0E0.0	0.0	0.0	9-17E-07	7.05E-06	2.54E-05	5.96E-05
15	12	52	51	28485.31	ı	5443.45	1.8371	E0E0.0	0.0	0.0	6.685-07	2.826-05	3.16E-04	1.676-03
15	12	11	10	24174.43	1	5443.65	1.8370	0.0625	0.0	0.0	2.08E-06	4.73E-05	3.51E-04	1.38E-03
11	8	46	47	20398.72	1	5443.86	1.8369	0.0303	0.0	3.00E-07	2.65E-05	3.50E-04	1.80E-03	5.475-03
3	0	101		19517.34	1	5443.88	1.8369	0.0303	0.0	0.0	3.32E-07	3.86E-06	1.83E-05	5.22E-05
8	5	70	71	19672.14	1	5443.93	1.8369	E0E0.0	0.0	2.336-07	1.736-05	2.06E-04	9.89E-04	2.86E-03
4	1	9.8	89	16326.21		5444.1C	1.8369	E0E0.0	0.0	0.0	1.31E-07	9.61E-07	3.35E-06	7.68E-06
6	3	75	76	16488.47	2	5444.12	1.8368	EQE0.0	0.0	0.0	6.00E-07	4.50E-06	1.59E-05	3.69E-05
12	9	100	99	35213.J8	1	5444.54	1.8367	0.0303	0.0	0.0	0.0	9.08E-07	1.945-05	1.62E-04
12	9	3 E	37	20811.34	1	5445.37	1.8364	30E0.0	0+0	2.35E-07	2.30E-05	3.22E-04	1.72E-03	5.386-03
15	12	51	50	28313.87	1	5445.66	1.8363	E0E0.0	0.0	0.0	7.34E-07	3.03E-05	3.33E-04	1.74E-03
14	11	74	73	31297.86	1	5445.73	1.8363	0.0303	0.0	0.0	1.27E-07	8.C3E-06	1.18E-04	7.54E-04
15	12	12	11	24212.08	1	5445.81	1.8363	0.0617	0.0	0.0	2.23E-06	5.106-05	3.79E-04	1.49E~03
14	11	10	11	22358.71	1	5446.10	1.8362	0.0625	0.0	0.0	4.90E-06	8.58E-05	5.34E-04	1.85E-03
8	5	60	61	16789.46	2	5446.85	1.8359	0.0303	0.0	0.0	1.29E-06	1.01E-05	3.68E-05	8.71E-05
15	12	50	49	26145.66	1	5447.75	1.8356	E050.0	C • O	0.0	8.05E-07	3.24E-05	3.51E-04	1.81E-03
15	12	13	12	24253.14	1	5447.87	1.8356	0.0610	0.0	0.0	2.37E-06	5.45E-05	4.07E-04	1.61E-03
6	3	EB	84	19388.37	1	5448.13	1.8355	E0E0.0	0.0	1.09E-07	7.56E-06	8.63E-05	4 - 04E04	1.14E-03
13	10	88	87	33268.76	1	5448.24	1.8355	E0E0.0	0.0	0.0	0.0	2.74E-06	4.85E-05	3.56E-04
13	10	24	25	21362.39	1	5448.68	1.8353	0.0437	0.0	1.36E-07	1.526-05	2.31E-04	1.31E-03	4-24E-03
4	1	95	96	19348.24	1	5448.81	1.8353	C.0303	0.0	0.0	1.52E-06	1.72E-05	8.02E-05	2.27E-04
10	7	116	117	36126.84	1	5449.4E	1.8350	E0E0.0	C.O	0.0	0.0	1.36E-07	3.85E-06	3.93E-05
15	12	49	48	27980.70	1	5449.74	1.8350	0.0303	0.0	0.0	8.79E-07	3.45E-05	3.69E-04	1.885-03
15	12	14	13	24257.62	1	5449.81	1.8349	0.0604	0.0	0.0	2.50E-06	5.78E-05	4.33E-04	1.72E-03
5	2	89	90	19305.50	1	5450.23	1.8348	0.0303	0.0	5.78E-08	3.93E-06	4.43E-05	2.06E-04	5.79E-04
14	11	73	72	31054.82	1	5450.41	1.8347	E0E0.0	0.0	0.0	1.47E-07	9.00E-06	1.29E-04	8 . 1 2E-04
10	7	54	55	19935.07	1	5450.42	1.8347	E050.0	0.0	3.77E-07	2.985-05	3.68E-04	1.82E-03	5.34E-03
9	6	62	63	19692.16	1	5450.42	1.8347	E0E0.0	0.0	3.31E-07	2.47E-05	2.94E-04	1.42E-03	4.10E-03
14	11	9	10	22320.67	1	5450.6C	1.8347	0.0624	0.0	0.0	4.62E-06	8.04E-05	4.98E-04	1.72E-03
11	8	109		36539.95	1	5451.49	1.8344	E0E0.0	0.0	0.0	0.0	3.80E-07	9.22E-06	8.46E-05
15	12	46	47	27618.98	1	5451.61	1.8343	E050.0	C • C	0.0	9.58E-07	3.68E-05	3.86E-04	1.95E-03
5	2	81	82	16192.90	2	5451.65	E4E8.1	E0E0.0	0.0	0.0	3.67E-07	2.64E-06	9.08E-06	2.06E-05
15	12	15	14	24345,52	1	5451.65	1.8343	0.0597	0.0	0.0	2.61E-06	6.08E-05	4.58E-04	1.82E-03
11	8	45	46	20233.70	1	5452.96	1.8342	0.0303	0.0	3.46E-07	2.94E-05	3.79E-04	1.92E-03	5.77E-03
12	S	55	98	34867.79	1	5452.19	1.8341	50E0.0	0.0	0.0	0.0	1.07E-06	2.21E-05	1.81E-04
12	9	35	36	20681.96	1	5452.57	1.8340	0.0312	0.0	2.616-07	2.47E-05	3.39E-04	1.805-03	5.56E-03
7	4	67	68	16425.77	2	5453.07	8EE8.1	0.0303	0.0	0.0	1.08E-06	8.01E-06	2.82E-C5	6.50E-05
15	12	47	46	27660.53	1	5453.37	1.8337	E0E0.0	0.0	0.0	1.04E-06	3.91E-05	4.04E-04	2.02E-03
15	12	16	15	24396.82	ı	5453.39	1.8337	0.0591	0.0	0.0	2.715-06	6.36E-05	4 . F1E-04	1.92E-03
7	4	76	77	19318.68	À	5453.79	1.8336	0.0303	0.0	2.05E-07	1.40E-05	1.585-04	7.34E-04	2.07E=03
13	10	٤7	86	32580.87	1	5454.51	1.8333	E0E0.0	0.0	0.0	0.0	3.17E-06	5.46E-05	3.92E-04
8	5	69	70	19420.38	1	5454.57	EEE8.1	E0E0.0	0.0	2.946-07	2.06E-05	2.36E-04	1.116-03	3.14E-03
13	10	23	24	21255.39	1	5454.64	1.8333	0.0457	0.0	1.43E-07	1.566-05	2.35E-04	1.32E-03	4.26E-03
6	3	74	75	16226.44	2	5454.66	1.8333	0.0303	0.0	0.0	7.19E-07	5.19E-06	1.795-05	4.08E-05
14	11	72	71	30814.84	1	5454.97	1.8332	E0E0.0	0.0	0.0	1.71E-07	1.01E-05	1.41E-04	8.74E-04
													,	<del>-</del>

# MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES 'CARBON MONOXIDE

٧U	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WÍDTH	*****	** INTEGRATE	ED ** ABSORI CM*GI			
				ENERGY		CM-I	MICHCH	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
14	11	e	9	22286.09	1	5455.0¢	1.8332	0.0624	0.0	0.0	4.29E-06	7.43E-05	4.59E-04	1.59E-03
15	12	46	45	27505.34	î	5455.02	1.8332	0.0303	0.0	0.0	1.136-06	4.14E-05	4.22E-04	2.08F-03
15	12	17	16	24451.53	î	5455.02	1.8332	0.0585	0.0	0.0	2.79E-06	6.60E-05	5.02E-04	2.01E-03
4	1	- 157	68	16017.84		5455.84	1.8329	0.0303	0.0	0.0	1.63E-07	1.14E-06	3.86E-06	8.685-06
8	5	/59	60	16580.31	2	5455.99	1.8328	0.0303	0.0	4.20E-08	1.48E-06	1.13E-05	4.02E-05	9.3EE-05
15		/18	17	24509.65		5456.54	1.8327	0.0568	0.0	0.0	2.86E-06	6.83E-05	5.22E-04	2.10E-03
15	12	45	44	27353,43	1	5456.56	1.8327	0.0303	0.0	0.0	1.22E-06	4.37E-05	4.39E-04	2.15E-03
3	C	100	101	19151.35	1	5457.55	1.8323	E0E0.0	0.0	0.0	4.28E-07	4.72E-06	2.16E-05	6.02E-05
15	12	19	18	24571.17	1	5457.95	1.8322	0.0552	0.0	0.0	2.92E-06	7.02E-05	5.40E-04	2.18E-03
15	12	44	43	27204.80	1	5457.98	1.8322	E0E0.0	0.0	0.0	1.31E-06	4.61E-05	4.56E-04	2.21E-03
10	7	117	116	37745.10	1	5459.22	1.8318	0.0303	0.0	0.0	0.0	1.67E-07	4.54E-06	4.52E-05
15	12	20	19	24636.09	1	5459.25	1.8318	0.0535	0.0	0.0	2.96E-06	7.185-05	5.56E-04	2.26E-03
14	11	. 7	8	22254.96	1 `	5459.29	1.8317	0.0623	0.0	0.0	" 3.93E-06	6.78E-05	4.18E-04	1.44E-03
15	12	43	42	27059.45	1	5459.3C	1.8317	E0E0.0	0.0	0.0	1.41E-06	4.84E-05	4.735-04	2.27E-03 9.39E-04
14	11	71	70	30577.96		5459.41	1.8317	0.0303	0.0	0.0	1.97E-07	1.13E-05	1.54E-04	5.728-03
10	7	53	54	19741.15		5459.45	1.8317	0.0303	0.0	4.496-07	3.396-05	4.07E-04	1.97E-03 1.87E-03	5.73E-03
12	9	34	35	20556.01	1	5459.67	1.8316	0.0317	0.0	2.88E-07 0.0	2.64E-05 0.0	3.57E-04 1.26E-06	2.52E-05	2.02E-04
12	5	98	97	34565.00	1	5459.73	1.8316	0.0303 0.0303^^	0.0	1.44E-07	9.32E-06	1.02E~04	4.63E-04	1.29E-03
6	3	82	83	19088.83		5460.05	-		0.0	0.0	0.0	4.57E-07	1.07E-05	9.58E-05
11		108		36165.95		5460.18	1.8314 1.8314	0.0303	0.0	3.98E-07	3.25E-05	4.10E-04	2.05E-03	6.08E-03
11	8	44 61	45 62	20072.09 19469.31	1	5460.21 5460.26	1.8314	0.0303	0.0	4.056-07	2.86E-05	3.31E-04	1.56E-03	4.44E-03
9 15	£ 12	21	20	24704.41		5460.45	1.8314	0.0515	0.0	0.0	2.98E-06	7.31E-05	5.70E-04	2.32E~03
15	12	42	41	26917.39		5460.50	1.8313	E0E0.0	0.0	0.0	1.515-06	5.08E-05	4.89E-04	2.32E-03
13	10	22		21211.84	i	~ 5460.50°	1.6313	0.0476"	0.0	1.50E-07	1.61E-05	2.385-04	1.33E-03	4.27E-03
13	10	66	85	32695.94		5460.67	1.8313	0.0303	0.0	0.0	4.72E-08	3.65E-06	6.12E-05	4.32E-04
15	12	22	21	24776.12		5461.54	1.8310	0.0496	0.0	0.0	2.99E~06	7.42E~05	5482E-04	2.38E-03
15	12	41	40	26778.63		5461.60	1.8310	0.0303	0.0	0.0	1.61E-06	5.31E-05	5.05E-04	2.37E-03
4	1	94	95	19004.32		5461.90	1.8309	0.0303	0.0	0.0	1.93E-06	2.08E-05	9.38E-05	2.59E-04
15	12	23	22	24851.22	1	5462.52	1.8307	0.0476	0.0	0.0	2.99E-06	7.49E-05	5.92E-04	2.44E-03
15	12	40	39	26643.18	. 1, .	5462.58	1.8306	10.0303	0.0	0.0	1.71E-06	5.54E-05	5.20E-04	~~2.42E~03
5	2	88	89	18983.73	1	5462.74	1.8306	0.0303	0.0	7.82E-08	4.93E-06	5.30E-05	2.39E-04	6.585-04
5	2	€0	e ı	15909.25	2	5462.75	1.8306	0.0303	0.0	0.0	4.47E-07	3.09E-06	1.03E-05	2.30E-05
7	4	66	67	16191.77	2	5462.87	1.8305	E0E0.0	0.0	0.0	1.26E-06	9.07E-06	3.12E-05	7.09E-05
15	12	24	23	24929.71	1	5463.40	1.8304	0.0457	0.0	0.0	2.97E-06	7.536-05	6.00E-04	2.48E-03
15	12	39	38	26511.04		5463.46	E0E8.1	C.0303	0.0	0.0	1.81E-06	5.77E-05	5.34E-04	2.47E-03
14	11	E	7	22227.29		5463.48	1-8303	0.0620		0.0	3.54E-06	6.07E-05	3.73E-04	1.28E-03 1.01E-03
14	11	70	69	30344.16		5463.74	1.8302	0.0303	.0.0	0.0	2.27E-07	1.25E-05 7.55E-05	1.68E-04 6.06E-04	2.52E-03
15	12	25	24	25011.59		5464.16	1.8301	0.0437	´`0•0	0.0	2.95E-06		5.48E-04	2.508-03
15	12	38	37	26382.21	1	5464.22	1.8301	0.0303	0.0	0.0	1.92E-06 2.91E-06	5.98E-05 7.54E-05	6.10E-04	2.55E-03
15	12	26	25	25096.85		5464.82	1.8299	0.0418 0.0308	0.0	0.0	2.02E-06	6.19E-05	5.60E-04	2.54E-03
15	12	37	36	26256.71	1	5464.87	1.8299	~~0.0303	0.0	2.64E-07	1.69E-05	1.83E-04	8.30E-04	2.30E-03
7	4	75 58	76 59	19044.64		5465.03 5465.04	1.8298	0.0303	0.0	5.07E-08	1.70E-06	1.26E-05	4.40E-05	1.01E-04
8	5	73	74	15967.60		5465.11	1.8298	0.0303	0.0	0.0	8.59E-07	5.98E-06	2.01E-05	4.51E-05
6 8	5	68	69	19171.93		5465.11	1.8298	0.0303	0.0	3.69E-07	2.43E-05	2.69E-04	1.23E-03	3.44E-03
15	12	27	26	25165.49		5465.37	1.8297	0.0398	0.0	0.0	2.85E-06	7.50E-05	6.125-04	2.58E-03
15	12	36	35	26134.53		5465.41	1.8297	0.0312	0.0	0.0	2.12E-06	6.39E-05	5.71E-04	2.57E-03
15	12	26	27	25277.50		5465.81	1.8296	0.0379	0.0	0.0	2.79E-06	7.44E-05	6.12E-04	2.60E-03
15	12	35	34	26015.68		5465.85	1.8295	0.0317	0.0	0.0	2.22E-06	6.57E-05	5.61E-04	2.59E-03
15	12	29	28	25372.88		5466.14	1.8294	0.0359	0.0	0.0	2.72E-06	7.35E-05	6-11E-04	2.61E-03
15	12	34	33	25900.18		5466.17	1.8294	0.0321	0.0	0.0	2.31E-06	6.74E-05	5.89E-04	2.61E-03
13	10	21	22	21131.74		5466.26	1.8294	0.0496	0.0	1.56E-07	1.64E-05	2.41E-04	1.33E-03	4.26E-03

٧	U '	٧L	Ju	JL	LOWER' State	CODE	WAVE NÚMBER	WAVE LENÇTH	HALF Width	*****	** INTEGRATI	ED ** ABSCRI CM*Gi		EFFICIENT *	*****
					ÉNERGY		CM-1	MICŘON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	Y = 3500
1	<b>5</b>	12	30	29	25471.62	1	5466.37	1.8294	0.0340	0.0	0.0	2 645 26	3 045 05	C 005 04	
		12	33	32	25788.01		5466.38	1.8294	0.0340	0.0	0.0	2.64E-06 2.41E-06	7.24E-05 6.89E-05	6.08E-04	2.61E-03
		12	31	30	25573.73		5466.48	1.8293	0.0325	0.0	0.0	2.41E-06	7.15E-05	5.96E-04 6.05E-04	2.62E-03
1	5	12	32	31	25679.20		5466.49	1.8293	0.0331	0.0	0.0	2.49E-06	7.03E-05	6.02E-04	2.62E-03 2.62E-03
1	2	9	33	34	20433.50		5466.68	1.8293	0.0321	0.0	3.16E-07	2.825-05	3.74E-04	1.94E-03	5.89E-03
1	3	10	85	84	32413.95		5466.70	1.8293	0.0303	0.0	0.0	5.65E-08	4.20E-06	6.86E-05	4.75E-04
1	2	9	97	96	34245.04	1	5467.14	1.8291	0.0303	0.0	0.0	0.0	1.47E-06	2.87E-05	2.25E-04
	4	1	86	87	15712.59	2	5467.49	1.8290	0.0303	0.0	0.0	2.02E-07	1.35E-06	4.45E-06	9.79E-06
1	4	11	5	6	22203.07		5467.56	1.8290	0.0617	0.0	0.0	3.11E-06	5.32E-05	3.26E-04	1.12E-03
1	4	11	69	68	30113.47	1	5467.96	1.8288	0.0303	0.0	0.0	2.61E-07	1.396-05	1.835-04	1.08E-03
1	1	ε	43	44	19913.90	1	5468.23	1.8287	E0E0.0	0.0	4.56E-07	3.59€-05	4.42E-04	2.17E-03	6.38E-03
Ţ	0	7	52	53	19550.62	1	5468.39	1.8287	0.0303	0.0	5.33E-07	3.85E-05	4.50E-04	2.14E-03	6.12E-03
1	1	ε	107	106	35834.66	1	5468.76	1.8286	E0E0.0	0.0	0.0	0.0	5.47E-07	1.24E-05	1.08E-04
1	0	7	116	115	37365.96	. 1	5468.85	1.8285	E0E0.0	0.0	0.0	0.0	2.035-07	5.34E-06	5.18E-05
	S	€	60	61	19249.80	1	5470.00	1.8282	0.0303	0.0	4.94E-07	3.31E~05	3.71E-04	1.718-03	4.81E-03
	3	0	99	100	16768.44	1	5471.13	1.8278	E0E0.0	0.0	0 • 0	5.52E-07	5.78E-06	2.55E-05	6.94E-05
		11	4	5	22182.32	1	5471.55	1.8276	0.0614	0.0	0.0	2.65E-06	4.52E-05	2.77E-04	9.495-04
	6	3	<b>£1</b>	82	18792.51		5471.88	1.8275	E0E0.0	0.0	1.91E-07	1.15E-05	1.205-04	5.31É-04	1.44E-03
1		10	20	21	21055.10		5471.92	1.8275	0.0515	0.0	1.62E-07	1.67E-05	2.435-04	1.336-03	4.23E-03
		11	€ €	67	29885.90		5472.06	1.8275	0.0303	0.0	0.0	2.99E-07	1.55E-05	1.98E-04	1.156-03
	7	4	65	66	15961.02		5472.58	1.8273	0.0303	0.0	4.85E-08	1.47E-06	1.03E-05	3.45E-05	7.72E-05
1		10	<b>E</b> 4	E3	32134.93		5472.62	1.8273	EDE0.0	0.0	0.0	6.76E-08	4.83E-06	7.68E-05	5.215-04
1		9	32	33	20314.43		5473.58	1.8270	0.0326	0.0	3.46E-07	3.00E-05	3.91E-04	2.00E-03	6.04E-03
	5	2	79	80	15628.77		5473.76	1.8269	E0E0.0	0.0	0.0	5.44E-07	3.616-06	1.17E-05	2.57E-05
	8	5	57	58	16171.80		5474.0C	1.8268	E0E0.0	0.0	6.10E-08	1.95E-06	1.40E-05	4.81E-05	1.09E-04
1		ç	96	95	33927.93		5474.44	1.8267	E0E0.0	0.0	0.0	0.0	1.73E-06	3.26E-05	2.50E-04
	4	1	5.3 5.0	94	18663.53		5474.9C	1.8265	E0E0.0	0.0	4.186-08	2.44E-06	2.51E-05	1.10E-04	2.95E-04
	5	2.	87	ee	16665.15	_	5475.16	1.8264	E0E0.0	0.0	1.06E-07	6.16E-06	6.346-05	2.77E-04	7.46E-04
1		11	3	4	22165.02		5475.42	1.8263	0.0611	0.0	0.0	2.16E-06	3.68E-05	2.25E-04	7.70E-04
	6	3 5	72 67	73	16711.97		5475.48	1.8263	0.0303	0.0	0.0	1.02E-06	6.87E-06	2.26E-05	4.96E-05
1	a	11		68	18926.79		5475.56	1.8263	0.0303	0.0	4.63E-07	2.87E-05	3.07E-04	1,37E-03	3.77E-03
1		8	67 42	66 43	29661.45		5476.04	1.8261	0.0303	0.0	0.0	3.426-07	1.71E-05	2.15E-04	1.23E-03
	7	4	74	75	19759.12		5476.16	1.8261	0.0303	0.0	5.20E-07	3.95E-05	4.75E-04	2.30E-03	6.70E-03
1			106		18773.88		5476.17	1.8261	E0E0.0	0.0	3.40E-07	2.C3E-05	2.13E-04	9.38E-04	2.55E-03
1		7	51	52	35466.10 15363.47		5477.22	1.8257	0.0303	0.0	0.0	0.0	6.55E-07	1.43E-05	1.225-04
1		10	19	20	20981.92		5477.24	1.8257	0.0303	0.0	6.31E-07	4.35E-05	4.95E-04	2.31E-03	6.54E-03
1	_			114	36969.44	_	5477.48 5478.36	1.8257	0.0535	0.0	1.67E-07	1.69E-05	2.43E-04	1.33E-03	4.19E-03
1		10	83	82	31858.89	1	5478.42	1.8254	E0E0.0	0.0	0.0	0.0	2.48E-07	6.28E-06	5.946-05
	4	1	85	86	15410.46		5479.06	1.8253 1.8251	E0E0.0 E0E0.0	0.0	0.0	8.07E-08	5.54E-06	8.57E-05	5.71E-04
1		11	2	E	22151-18		5479.20	1.8251	0.0609	C.O O.O	0.0	2.49E-07	1.60E-06	5.12E-06	1.10E-05
_	9	ē	55	6¢	19033.64		5479.65	1.8249	0.0303		0.0	1.65E-06	2.80E-05	1.71E-04	5.86E-04
1		11	66	65	29440.12		5479.92	1.8248	0.0303	0.0	6.00E-07	3.82E-05	4.15E-04	1.88E-03	5.19E-03
1		9	31	32	20198.81	ī	5480.38	1.8247	0.0303	0.0	0.0 3.78E-07	3.90E-07 3.18E-05	1.89E-05	2.32E-04	1.31E-03
1		9	55	94	33613.67		5481.62	1.8243	0.0303	0.0	0.0	0.0	4.08E-04 2.02E-06	2.06E-03 3.69E-05	6.18E-03 2.77E-04
	7	4	64	65	15733.51		5482.21	1.8241	0.0303	0.0	5.96E-08	1.72E-06	1.16E-05	3.09E-05	8.39E-05
1	4 1	11	1	2	22140.79		5482.87	1.8239	0.0606	0.0	0.0	1.12E-06	1.89E-05	1.15E-04	
	8	s	56	57	15972.47		5482.88	1.8239	0.0303	0.0	7.32E-08	2.23E-06	1.56E-05	5.24E-05	3.95E-04 1.17E-04
1	3 1	10	1 €	19	20912.20		5482.94	1.8238	0.0552	0.0	1.71E-07	1.71E-05	2.43E-04	1.31E-03	4.13E-03
	6	3	80	81	16499.43		5483.62	1.8236	0.0303	0.0	2.51E-07	1.41E-05	1.41E-04	6.07E-04	1.62E-03
1	4 1	11	65	64	25221.95		5483.67	1.8236	EOE0.0'	0.0	0.0	4 • 44E-07	2.08E-05	2.51E-04	1.02E-03
1	1	8	41	42	19607.77	1	5483.99	1.8235	0.0303	0.0	5.92E-07	4.33E-05	5.10E-04	2.44E-03	7.01E-03
1	3 1	0 1	62	<b>e</b> 1	31565.85	1	5484.11	1.8235	0.0303	0.0	0.0	9.60E-08	6.34E-06	5.56E-05	6.258-04

# MOLECULAR LINE PARAMETERS FOR DYATORIC MOLECULES CARBON MONOXIDE

ENERGY CR-1 MICRON H2 T = 1000 T = 1500 T = 2000 T = 2000 T = 2000 T = 3000	VU V	/L J	U JL	LOWER STATE	CODE	WAVE	WAVE LENCTH	PALF .	******	* INTEGRĄT	ED ** ABSORF CM*GA		EFFICIENT *	******
S									T = 1000	T = 1500			T = 3000	T = 3500
11	3 (	0 9	8 99	16428.62	. ,	5484.62	1.8233	0.0303	0.0	0.ò	7.09E-07	7.05E-06	3.01E-05	7.99E-05
6 5 6 6 7 1864-96 1 5-845-75 1.8229 0.0303 0.0 4.51E-08 1.22E-06 7.68E-06 2.53E-05 5.4 6 5 6 6 6 7 1864-96 1 5-845-75 1.8229 0.0303 0.0 5.77E-07 3.39E-05 3.49E-04 1.53E-03 4.1 10 7 80 51 15179.72 1 5-845-98 1.8228 0.0303 0.0 7.43E-07 4.91E-05 5.44E-04 2.49E-03 6.9 12 9 30 31 20066.64 1 5-467.08 1.8228 0.0303 0.0 7.43E-07 3.36E-05 4.24E-04 2.49E-03 6.9 12 9 30 31 20066.64 1 5-467.08 1.8228 0.0303 0.0 7.43E-07 3.36E-05 4.24E-04 2.12E-03 6.3 14 11 64 63 29066.93 1 5-867.32 1.8224 0.0303 0.0 7.0 4.19E-05 7.84E-05 2.40E-04 2.12E-03 6.3 14 11 64 63 29066.93 1 5-867.32 1.8224 0.0303 0.0 7.0 4.35E-07 2.59E-05 2.70E-04 1.4 10 7 11 12 13 13 12 13 13 13 13 13 13 13 13 13 13 13 13 13	5 3	2 7	8 79	15351.45	2	5484.69	1.8233	E0E0.0	0.0	0.0	6.59E-07	4.20E~06	1.33E-05	2.86E-05
B   E   66   67   18684.96   1   5485.91   1.8228   0.0303   0.0   5.77E-07   3.99E-05   3.49E-04   1.53E-03   4.1   10   0   1   22133.97   1   5486.80   1.8228   0.0303   0.0   0.0   0.0   E.65E-07   5.58E-06   5.83E-05   1.8   1.8   0.033   0.0   0.0   0.0   E.65E-07   5.58E-06   5.83E-05   1.8   0.033   0.0   0.0   0.0   E.65E-07   5.58E-06   5.83E-05   1.8   0.033   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.	11	e 10	5 104	35140.28	1	5485.56	1.8230	0.0303	0.0	ő o	0.0	7.82E-07	1.66E-05	1.38E-04
10	6	3 7	1 72	15459.54	2	5485.75	1.8229	0.0303	0.0	4.51E-08	1.22E-06	7.88E-06	2.536-05	5.46E-05
14 11 0 0 1 22133.87 1 5466.43 1.6227 0.0503 0.0 0.0 "S.66E-07 5.58E-06 5.24E-03 6.3 7 4 73 74 18506.41 1 5487.22 1.8224 0.0303 0.0 0.0 "S.65E-07 2.45E-05 2.46E-04 1.06E-03 2.6 7 4 73 74 18506.41 1 5487.22 1.8224 0.0303 0.0 0.0 5.03E-07 2.29E-05 2.70E-04 1.4 5 2 66 87 18349.76 1 5487.49 1.8223 0.0303 0.0 0.0 0.0 5.03E-07 7.65E-05 2.70E-04 1.4 5 10 7 114 113 36615.54 1 5487.49 1.8223 0.0303 0.0 0.0 0.0 0.0 3.02E-05 7.73FE-06 6.8 10 7 117 18 20845.96 1 5487.81 1.8222 0.0303 0.0 0.0 0.0 0.0 3.02E-05 1.20E-04 3.4 11 92 93 18225.89 1 5487.81 1.8222 0.0303 0.0 0.0 0.0 0.0 3.02E-05 1.20E-04 3.4 12 9 54 93 33302.29 1 5488.68 1.8215 0.0568 0.0 1.74E-07 1.71E-05 2.41E-04 1.30E-03 3.4 12 9 54 93 33302.29 1 5488.68 1.8215 0.0303 0.0 0.0 0.0 0.0 2.35E-06 4.10E-03 3.4 13 10 18 18 00 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.14E-07 7.24E-06 1.06E-03 5.6 13 10 81 80 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.14E-07 7.24E-06 1.06E-03 5.6 14 11 62 62 22795.07 1 5490.85 1.8212 0.0303 0.0 0.0 0.0 1.14E-07 7.24E-06 1.06E-03 5.6 15 10 81 80 31315.80 1 5489.41 1.8211 0.0303 0.0 0.0 0.0 1.14E-07 7.24E-06 1.06E-03 5.6 16 11 80 40 41 1945.95 1 5491.42 1.8211 0.0303 0.0 0.0 0.0 1.06E-07 7.09E-06 5.88E-06 1.2 14 11 63 62 22795.07 1 5490.85 1.8212 0.0303 0.0 0.0 0.0 1.06E-07 7.09E-06 5.88E-06 1.2 15 18 40 41 1945.95 1 5491.42 1.8211 0.0303 0.0 0.0 0.0 1.06E-07 7.09E-06 5.88E-06 1.2 16 10 40 13 34757.22 1 5493.77 1.8209 0.0303 0.0 0.0 0.0 0.0 1.06E-07 7.01E-06 3.08E-07 1.09E-06 5.00E-05 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-04 1.20E-05 1.20E-	8	E 6	6 67	18684.96	1	5485.91	1.8229	0.0303	0.0	5.77E-07	3.396-05	3.49E-04	1.53E-03	4.13E~03
12 9 30 31 20086.64 1 5487.08 1.8224 0.0303 0.0 4.10E-07 3.36E-05 2.46E-04 1.06E-03 2.6 14 11 64 63 29006.93 1 5487.32 1.8224 0.0303 0.0 0.0 5.03E-07 2.29E-05 2.70E-04 1.06 15 2 66 67 18249.76 1 5487.75 1.8224 0.0303 0.0 0.0 0.0 5.03E-07 2.29E-05 2.70E-04 1.06 10 7 114 113 36615.54 1 5487.75 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 1 2 9 33 1825.89 1 5487.81 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 1 2 9 33 1825.89 1 5487.81 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 1 2 9 54 93 33302.29 1 5488.68 1.8215 0.0303 0.0 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 2 9 5 6 5 9 18220.86 1 5489.1 1.8218 0.0303 0.0 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 3 10 17 18 20445.96 1 5488.68 1.8215 0.0303 0.0 0.0 0.0 0.0 0.0 2.35E-06 4.18E-05 3.0 1 2 9 5 6 5 9 18220.86 1 5489.1 1.8218 0.0303 0.0 0.0 7.29E-07 1.71E-05 2.41E-04 1.30E-03 4.0 1 3 10 18 0 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.4E-07 7.24E-06 4.18E-05 3.0 1 3 10 18 0 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.4E-07 7.24E-06 4.168E-05 3.0 1 3 10 18 0 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.4E-07 7.24E-06 1.06E-03 4.0 1 4 11 63 62 28795.07 1 5490.85 1.8212 0.0303 0.0 0.0 0.0 1.08E-07 7.24E-06 1.06E-05 4.0 1 54 11 63 62 28795.07 1 5490.85 1.8212 0.0303 0.0 0.0 0.0 1.08E-07 3.01E-06 5.296E-04 1.0 1 1 1 1 0 22130.41 1 5493.5 1.8210 0.0303 0.0 0.0 0.0 0.0 1.08E-07 3.01E-06 5.296E-04 1.0 1 1 1 1 0 22130.41 1 5493.5 1.8209 0.0303 0.0 0.0 6.70E-07 4.73E-05 5.76E-05 1.2 1 1 1 1 0 2 2 3 3 1977.9 1 5493.67 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.01E-06 5.1 1 1 1 1 0 2 2 130.41 1 5493.5 1 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.08E-06 1.30E-03 4.20E-05 1.2 1 1 1 1 1 0 2 2 130.41 1 5493.5 1 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.58E-06 4.20E-05 3.4 1 1 1 1 0 2 2 130.41 1 5493.5 1 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.58E-06 5.76E-06 3.2 1 1 2 2 2 3 3 1977.9 1 5493.65 1 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.58E-06 5.26E-06 3.25E-06 3.25	10	7 5	0 51	19179.72	1	5485.98	1.8228	E0E0.0	0.0	7.43E-07	4.91E-05	5.44E-04	2.49E-03	6.97E-03
12 9 30 31 20086.64 1 5487.08 1.8224 0.0303 0.0 4.10E-07 3.36E-05 2.46E-04 1.06E-03 2.6 14 11 64 63 29006.93 1 5487.32 1.8224 0.0303 0.0 0.0 5.03E-07 2.29E-05 2.70E-04 1.06 15 2 66 67 18249.76 1 5487.75 1.8224 0.0303 0.0 0.0 0.0 5.03E-07 2.29E-05 2.70E-04 1.06 10 7 114 113 36615.54 1 5487.75 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 1 2 9 33 1825.89 1 5487.81 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 1 2 9 33 1825.89 1 5487.81 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 1 2 9 54 93 33302.29 1 5488.68 1.8215 0.0303 0.0 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 2 9 5 6 5 9 18220.86 1 5489.1 1.8218 0.0303 0.0 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 1 3 10 17 18 20445.96 1 5488.68 1.8215 0.0303 0.0 0.0 0.0 0.0 0.0 2.35E-06 4.18E-05 3.0 1 2 9 5 6 5 9 18220.86 1 5489.1 1.8218 0.0303 0.0 0.0 7.29E-07 1.71E-05 2.41E-04 1.30E-03 4.0 1 3 10 18 0 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.4E-07 7.24E-06 4.18E-05 3.0 1 3 10 18 0 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.4E-07 7.24E-06 4.168E-05 3.0 1 3 10 18 0 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.4E-07 7.24E-06 1.06E-03 4.0 1 4 11 63 62 28795.07 1 5490.85 1.8212 0.0303 0.0 0.0 0.0 1.08E-07 7.24E-06 1.06E-05 4.0 1 54 11 63 62 28795.07 1 5490.85 1.8212 0.0303 0.0 0.0 0.0 1.08E-07 3.01E-06 5.296E-04 1.0 1 1 1 1 0 22130.41 1 5493.5 1.8210 0.0303 0.0 0.0 0.0 0.0 1.08E-07 3.01E-06 5.296E-04 1.0 1 1 1 1 0 22130.41 1 5493.5 1.8209 0.0303 0.0 0.0 6.70E-07 4.73E-05 5.76E-05 1.2 1 1 1 1 0 2 2 3 3 1977.9 1 5493.67 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.01E-06 5.1 1 1 1 1 0 2 2 130.41 1 5493.5 1 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.08E-06 1.30E-03 4.20E-05 1.2 1 1 1 1 1 0 2 2 130.41 1 5493.5 1 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.58E-06 4.20E-05 3.4 1 1 1 1 0 2 2 130.41 1 5493.5 1 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.58E-06 5.76E-06 3.2 1 1 2 2 2 3 3 1977.9 1 5493.65 1 1.8209 0.0303 0.0 0 0.0 0.0 1.08E-07 3.58E-06 5.26E-06 3.25E-06 3.25					î									1.99E-04
To   To   To   To   To   To   To   To	12	9 3	1E 0	20086.64	1	5467.08		0.0335	0.0	4.10E-07	3.36E-05	4.24E-04	2.126-03	6.31E-03
14 11 64 63 29066.93 1 5487.32 1.8224 0.0303 0.0 0.0 5.03E-07 2.29E-05 2.70E-04 1.4 5 2 86 67 18349.76 1 5487.49 1.8223 0.0303 0.0 0.0 0.0 3.02E-07 7.69E-06 3.02E-04 8.4 10 7 114 113 36615.54 1 5487.75 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 4 1 92 93 18325.89 1 5487.81 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 3.03 10 17 18 26645.96 1 5488.69 1.8216 0.0568 0.0 1.74E-07 1.71E-05 2.41E-04 1.30E-03 4.0 9 6 56 59 18620.86 1 5488.69 1.8216 0.0303 0.0 0.0 0.0 2.35E-06 1.82E-05 3.0 9 6 56 59 18620.86 1 5489.21 1.8218 0.0303 0.0 0.0 1.14E-07 7.24E-05 4.65E-04 2.05E-03 5.6 13 10 18 80 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 1.14E-07 7.24E-05 4.65E-04 2.05E-03 5.6 14 11 63 62 26755.07 1 5490.85 1.8212 0.0303 0.0 0.0 3.08E-07 1.89E-06 5.88E-06 1.2 14 11 63 62 26755.07 1 5490.85 1.8212 0.0303 0.0 0.0 0.0 3.08E-07 1.89E-06 5.88E-06 1.2 18 8 40 41 19459.65 1 5491.62 1.8210 0.0303 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		4 7	3 74		' 1 '				^~~~°0•0				1.06E-03	2.82E-03
5         2         86         87         18349.76         1         5887.75         1.8223         0.0303         0.0         0.0         3.02E-06         3.20E-07         3.73F-06         6.4           4         1         92         93         16325.89         1         5887.75         1.8222         0.0303         0.0         0.0         3.08E-06         3.02E-06         3.02E-08         1.22E-04         3.3           13         10         71         18         20845.96         1         5888.28         1.8216         0.0303         0.0         0.0         2.35E-06         4.18E-05         3.0           9         6         6         59         1820.086         1         5889.21         1.8216         0.0303         0.0         0.0         2.35E-05         4.18E-05         3.0           13         10         81         80         31315.80         1         5409.64         1.8216         0.0303         0.0         0.0         1.14E-07         7.24E-06         1.06E-04         4.0           4         11         63         62         15511.48         2         5490.83         1.8212         0.0303         0.0         0.0         5.05E-05         2	14 1	1 6	4 63		1					0.0				1.48E-03
10 7 114 113 36615.54 1 5467.75 1.8222 0.0303 0.0 0.0 0.0 3.02E-07 7.37E-06 6.8 4 1 92 93 1825.89 1 5487.81 1.8222 0.0303 0.0 5.73E-08 3.09E-06 3.02E-05 3.2E-05 3.3 13 10 17 18 20845.96 1 5488.29 1.8221 0.0568 0.0 1.74E-07 1.71E-05 2.41E-04 1.30E-03 4.0 9 6 56 59 1820.86 1 5489.21 1.8218 0.0303 0.0 7.0 9 6 56 59 1820.86 1 5496.67 1.8218 0.0303 0.0 7.29E-07 4.42E-05 4.65E-04 2.06E-03 5.6 13 10 61 80 31315.80 1 5489.67 1.8218 0.0303 0.0 7.29E-07 4.42E-05 4.65E-04 2.06E-03 5.6 14 11 63 62 28755.07 1 5490.65 1.8212 0.0303 0.0 0.0 0.0 1.14E-07 7.28E-06 1.06E-04 6.8 14 11 63 62 28755.07 1 5490.65 1.8212 0.0303 0.0 0.0 0.0 1.08E-07 1.99E-06 5.88E-06 1.2 12 13 3951.65 1 5491.24 1.8211 0.0303 0.0 0.0 0.0 1.08E-07 3.01E-06 3.0 8 5 55 56 1576.43 2 5491.66 1 5491.27 1.8209 0.0303 0.0 0.0 0.0 1.08E-07 3.01E-06 3.0 8 5 55 56 1576.54 2 5491.74 1.8209 0.0303 0.0 0.0 7.32E-08 2.05E-06 1.32E-06 9.0 14 11 1 0 22130.41 1 5493.25 1.8204 0.0603 0.0 7.32E-08 2.05E-06 1.30E-05 9.1 14 11 1 0 22130.41 1 5493.25 1.8204 0.0603 0.0 0.0 5.77E-07 9.78E-06 5.95E-05 2.0 12 9 29 30 19977.94 1 5493.69 1.8203 0.0303 0.0 0 6.70E-07 1.70E-05 2.38E-04 2.18E-03 7.3 12 1 0 16 17 20723.18 1 5493.55 1.8203 0.0303 0.0 0 6.70E-07 1.70E-05 3.3E-06 3.1E-07 3.0E-05 3.0E-05 2.0 14 11 62 61 2856.35 1 5494.26 1.8201 0.0303 0.0 0 6.73E-07 1.70E-05 2.3EE-04 2.18E-03 7.4 15 10 10 10 10 10 10 10 10 10 10 10 10 10		2 8	6 87		1									8.45E-04
A	10	7 11	4 113	36615.54	1	5487.75	1.8222	E0E0.0	0.0		0.0	3.02E-07	7.37E-06	6.80E-05
13 10 17 18 20495,96 1 5848.29 1.8221 0.0568 0.0 1.774E-07 1.71E-05 2.41E-04 1.30E-03 4.0 12 5 4 93 33302.29 1 5848.68 1.8213 0.00 0.0 0.0 0.0 2.35E-06 4.18E-05 3.0 9 6 56 59 1820.86 1 5849.21 1.8218 0.0303 0.0 7.29E-07 4.42E-05 4.65E-04 2.06E-03 5.6 13 10 81 80 31315.80 1 5489.67 1.8216 0.0303 0.0 0.0 0.0 1.14E-07 7.24E-06 1.06E-04 6.8 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	4	1 9	2 93	18325.89	ī "	5487.81	1.8222	0.0303	" 0.0			3.02E-05	1.28E-04	3.36E-04
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9         6         56         59         18820.86         1         5489.21         1.8218         0.0303         0.0         7.29E-07         4.42E-05         4.65E-04         2.06E-03         5.6           4         1         84         85         15111.48         2         5490.54         1.6213         0.0303         0.0         0.0         3.08E-07         1.69E-06         5.68E-06         1.2           9         6         122         121         37951.65         1         5491.24         1.8211         0.0303         0.0         0.0         1.08E-07         2.51E-05         2.90E-00         1.5           8         5         56         15776.43         2         5491.66         1.8209         0.0303         0.0         6.70E-07         4.73E-05         5.46E-04         2.57E-03         7.3           7         4         63         64         15505.25         2         5491.74         1.8209         0.0303         0.0         0.0         5.77E-08         5.46E-04         2.57E-03         7.3           7         4         63         64         15505.25         2         5491.74         1.8209         0.0303         0.0         0.0         5.77E-06			E	33302.29	· 1			~ €0.60.0 ~	0.0	0.0	0.0		4.18E-05	3.07E-04
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4         1         84         85         15111.48         2         5490.65         1.8212         0.0303         0.0         0.0         3.08E-07         2.51E-05         2.90E-04         1.52         2.00E-04         1.52         2.90E-04         1.52         2.90E-04         1.52         2.90E-04         1.52         2.90E-04         1.08E-07         3.01E-06         3.0         3.0         0.0         0.0         0.0         1.08E-07         3.01E-05         3.0         3.0         0.0         0.0         0.0         1.08E-07         3.01E-05         3.0         3.0         0.0         0.0         0.0         1.08E-07         3.01E-05         3.0         1.0         2.90E-06         1.08E-07         3.01E-05         3.0         0.0         6.70E-07         4.73E-05         5.46E-04         2.57E-03         7.3         7         4         6.3         6.4         1.5459.25         2.5491.74         1.8209         0.0303         0.0         0.0         7.73E-08         2.00E-06         1.30E-05         4.20E-05         9.1         1.2         1.2         1.2         2.23E-01         1.2219.33         1.2         1.2213.41         1.5493.25         1.8203         0.0333         0.0         0.0         0.0         2.3EE-	13 10	3 0	1 80	31315.80	1		1.8216	0.0303	0.0	0.0		7.24E-06	1.06E-04	6.83E-04
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11 6 104 103 34757.22 1 5493.77 1.8202 0.0303 0.0 0.0 0.0 0.0 9.31E-07 1.91E-05 1.5 14 11 62 61 25566.38 1 5494.63 1.8201 0.0303 0.0 0.0 0.0 6.42E-07 2.75E-05 3.11E-04 1.6 10 7 49 50 18999.38 1 5494.63 1.8200 0.0203 0.0 0.0 8.73E-07 5.52E-05 5.96E-04 2.69E-03 7.4 13 10 80 79 31048.78 1 5495.13 1.8198 0.0303 0.0 0.0 0.0 1.35E-07 8.25E-06 1.18E-04 7.4 6 3 75 80 18209.59 1 5495.26 1.8198 0.0303 0.0 0.0 0.0 1.35E-07 4.825E-06 1.18E-04 1.8 5 2 77 78 15077.32 2 5495.53 1.8197 0.0303 0.0 0.0 7.97E-07 4.88E-06 1.51E-05 3.4 6 3 70 71 15210.34 2 5495.63 1.8196 0.0303 0.0 0.0 0.0 2.74E-06 4.72E-05 3.4 6 3 70 71 15210.34 2 5495.94 1.8195 0.0303 0.0 5.68E-08 1.44E-06 9.01E-06 2.82E-0E 6.0 8 5 65 66 18446.48 1 5496.17 1.8194 0.0303 0.0 5.68E-08 1.44E-06 9.01E-06 2.82E-0E 6.0 14 11 2 1 22133.87 1 5496.50 1.8193 0.0606 0.0 0.0 1.16E-06 1.97E-05 1.20E-04 4.5 14 11 2 1 22133.87 1 5497.02 1.8192 0.0303 0.0 0.0 0.0 3.66E-07 8.63E-06 7.7 14 11 61 60 26360.87 1 5497.02 1.8192 0.0303 0.0 0.0 0.0 3.66E-07 8.63E-06 7.7 14 11 61 60 26360.87 1 5498.02 1.8188 0.0303 0.0 0.0 0.0 3.66E-07 8.63E-06 3.33E-06 7.7 14 11 61 60 26360.87 1 5498.02 1.8188 0.0303 0.0 0.0 0.0 9.10E-07 8.59E-06 3.33E-06 1.7 7 4 72 73 18242.22 1 5498.02 1.8188 0.0303 0.0 0.0 0.0 5.56E-07 2.93E-05 2.24E-04 1.19E-03 3.1 9 6 57 58 18611.44 1 5498.67 1.8188 0.0303 0.0 0.0 0.0 5.56E-07 2.93E-05 5.20E-04 2.26E-03 6.0 13 10 12 16 26723.88 1 5498.71 1.8188 0.0303 0.0 0.0 1.77E-07 1.69E-05 5.20E-04 2.26E-03 6.0 13 10 12 16 26723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 5.23E-04 2.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 0.0 1.77E-07 5.09E-05 5.20E-04 2.26E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 0.0 1.77E-07 5.09E-05 5.20E-04 2.24E-03 3.8 12 9 28 5 86 18037.58 1 5495.72 1.8183 0.0303 0.0 0.0 1.77E-07 5.95E-05 5.26E-04 2.24E-03 3.8 12 9 28 5 86 18037.58 1 5495.72 1.8183 0.0303 0.0 0.0 0.0 1.77E-07 5.75E-06 9.00E-05 3.70E-04 9.58E-05 1.8184 0.0303 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	13 10	0 1	6 1.7		1			0.0565		1.76E-07			1.27E-03	3.97E-03
14 11 62 61 28586.38 1 5494.26 1.8201 0.0303 0.0 0.0 6.42E-07 2.75E-05 3.11E-04 1.6 10 7 49 50 18999.38 1 5494.63 1.8200 0.0303 0.0 8.73E-07 5.52E-05 5.96E-04 2.69E-03 7.4 6 3 75 80 18209.59 1 5495.26 1.8198 0.0303 0.0 3.29E-07 1.72E-05 1.66E-04 6.93E-04 1.8 5 2 77 78 15077.32 2 5495.53 1.8197 0.0303 0.0 0.0 7.97E-07 4.88E-06 1.51E-05 3.1 12 9 53 92 32993.78 1 5495.63 1.8196 0.0303 0.0 0.0 7.97E-07 4.88E-06 1.51E-05 3.1 12 9 53 92 32993.78 1 5495.63 1.8196 0.0303 0.0 5.68E-08 1.44E-06 9.01E-06 2.82E-0E 6.0 8 5 65 66 18446.48 1 5496.17 1.8194 0.0303 0.0 5.68E-08 1.44E-06 9.01E-06 2.82E-0E 6.0 8 5 65 66 18446.48 1 5496.17 1.8194 0.0303 0.0 7.18E-07 3.98E-05 3.97E-04 1.70E-03 4.5 14 11 2 1 22133.87 1 5496.50 1.8193 0.0606 0.0 0.0 1.16E-06 1.97E-05 1.20E-04 4.1 10 7 113 112 36244.30 1 5497.02 1.8192 0.0303 0.0 0.0 0.0 3.66E-07 8.63E-06 7.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 7.22E-07 3.00E-05 3.33E-04 1.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 0.0 9.10E-07 8.59E-06 3.55E-05 9.1 7 4 72 73 18242.22 1 5498.17 1.8188 0.0303 0.0 0.0 5.56E-07 2.93E-05 5.20E-04 4.19E-03 3.1 18 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.20E-04 2.26E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.55 1.8183 0.0303 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 0.0 1.77E-07 1.69E-05 2.34E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.55 1.8183 0.0303 0.0 1.77E-07 1.69E-05 2.34E-04 2.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 1.77E-07 1.69E-05 2.34E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.55 1.8183 0.0303 0.0 1.77E-07 1.69E-05 2.34E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0303 0.0 1.77E-07 1.69E-05 2.34E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0303 0.0 1.77E-07 3.75E-06 9.00E-05 3.70E-04 9.5 12 85 86 16037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5	12 9	9 2	9 30	19977.94	1	5493.69	1.8203	0.0340	0.0	4.43E-07	3.54E-05	4.40E-04	2.186-03	6.43E-03
10 7 49 50 18999.38 1 5494.63 1.8200 0.0203 0.0 8.73E-07 5.52E-05 5.96E-04 2.69E-03 7.4 13 10 80 79 31048.78 1 5495.26 1.8198 0.0303 0.0 0.0 1.35E-07 8.25E-06 1.18E-04 7.4 6 3 76 80 18209.59 1 5495.25 1.8197 0.0303 0.0 0.0 7.97E-05 1.66E-04 6.93E-04 1.8 5 2 77 78 15077.32 2 5495.53 1.8197 0.0303 0.0 0.0 7.97E-07 4.88E-06 1.51E-05 3.1 12 9 53 92 32993.78 1 5495.63 1.8196 0.0303 0.0 0.0 0.0 2.74E-06 4.72E-05 3.4 6 3 70 71 18210.34 2 5495.94 1.8195 0.0303 0.0 5.68E-08 1.44E-06 9.01E-06 2.82E-05 6.0 8 5 65 66 18446.48 1 5496.17 1.8194 0.0303 0.0 7.18E-07 3.98E-05 3.97E-04 1.70E-05 4.5 14 11 2 1 22133.87 1 5496.50 1.8193 0.0606 0.0 0.0 1.16E-06 1.97E-05 1.20E-04 4.1 10 7 113 112 36244.30 1 5497.57 1.8190 0.0303 0.0 0.0 0.0 0.0 3.66E-07 8.63E-06 7.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 7.22E-07 3.00E-05 3.33E-04 7.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 0.0 7.22E-07 3.00E-05 3.33E-04 1.7 9 6 57 58 18611.44 1 5498.67 1.8186 0.0303 0.0 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 3.1 10 15 16 20723.88 1 5498.70 1.8186 0.0303 0.0 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 3.6 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.36 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 5.32E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.36 1.8184 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 9 28 29 15872.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	11 (	6 10	E01 4	34757.22	1	5493.77	1,8202	0.0303 T	0.0	0.0	0.0	9.31E-07	1.91E-05	1.56E-04
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5       2       77       78       15077.32       2       5495.53       1.8197       0.0303       0.0       0.0       7.97E-07       4.88E-06       1.51E-05       3.1         12       9       93       92       32993.78       1       5495.63       1.8196       0.0303       0.0       0.0       0.0       2.74E-06       4.72E-05       3.4         6       3       70       71       15210.34       2       5495.94       1.8196       0.0303       0.0       5.68E-08       1.44E-06       9.01E-06       2.82E-0E       6.0         8       5       65       66       18446.48       1       5496.50       1.8193       0.0606       0.0       7.18E-07       3.98E-05       3.97E-04       1.70E-03       4.5         10       7       113       112       36244.30       1       5497.02       1.8193       0.0303       0.0       0.0       0.0       3.66E-07       8.63E-06       7.7         14       11       61       60       28360.87       1       5497.57       1.8190       0.0303       0.0       0.0       7.22E-07       3.00E-05       3.33E-04       1.7         3       0       97       8	13 10	.0 8	0 79	31048.78	1	5495.13	1.8198	0.0303	0.0	0.0	1.356-07	8.25E-06	1.18E-04	7.45E-04
12	6 3	3 7	90	18209.59	1	5495.26	1.8198	0.0303	0.0	3.296-07	1.72E-05	1.66E-04	6.93E-04	1.81E-03
6 3 70 71 15210.34 2 5495.94 1.8195 0.0303 0.0 5.68E-08 1.44E-06 9.01E-06 2.82E-0E 6.0 8 5 65 66 18446.48 1 5496.17 1.8194 0.0303 0.0 7.18E-07 3.98E-05 3.97E-04 1.70E-03 4.5 14 11 2 1 22133.87 1 5496.50 1.8193 0.0606 0.0 0.0 1.16E-06 1.97E-05 1.20E-04 4.1 10 7 113 112 36244.30 1 5497.02 1.8192 0.0303 0.0 0.0 0.0 3.66E-07 8.63E-06 7.7 14 11 61 60 28360.87 1 5497.57 1.8190 0.0303 0.0 0.0 7.22E-07 3.00E-05 3.33E-04 1.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 9.10E-07 8.59E-06 3.55E-05 9.1 7 4 72 73 18242.22 1 5498.17 1.8188 0.0303 0.0 0.0 9.10E-07 8.59E-06 3.55E-05 9.1 9 6 57 58 18611.44 1 5498.67 1.8186 0.0303 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 6.0 13 10 15 16 20723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 5.20E-04 2.26E-03 6.0 14 11 3 2 22140.79 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.20E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 5 28 5 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 5 28 5 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 5 28 5 86 18037.58 1 5495.72 1.8183 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	5 2	2 7	7 78	15077.32	2	5495.53	1.8197	0.0303	0.0	0.0	7.97E-07	4.88E-06	1.51E-0S	3.18E-05
8 5 65 66 18446.48 1 5496.17 1.8194 0.0303 0.0 7.18E-07 3.98E-05 3.97E-04 1.70E-03 4.5 14 11 2 1 22133.87 1 5496.50 1.8193 0.0606 0.0 0.0 1.16E-06 1.97E-05 1.20E-04 4.1 10 7 113 112 36244.30 1 5497.02 1.8192 0.0303 0.0 0.0 0.0 3.66E-07 8.63E-06 7.7 14 11 61 60 28366.87 1 5497.57 1.8190 0.0303 0.0 0.0 0.0 7.22E-07 3.00E-05 3.33E-04 1.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 9.10E-07 8.59E-06 3.55E-05 9.1 7 4 72 73 16242.22 1 5498.17 1.8188 0.0303 0.0 5.56E-07 2.93E-05 2.84E-04 1.19E-03 3.1 9 6 57 58 18611.44 1 5498.67 1.8186 0.0303 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 6.0 13 10 15 16 20723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0609 0.0 0.0 1.76E-06 2.98E-05 1.82E-04 9.5 12 5 28 5 86 18637.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 5 28 28 15872.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	12 9	9 9	3 92	32993.78	1	5495.63	1.8156	E0E0.0	0.0	0.0	` 0.0	2.74E-06	4.72E-05	3.40E-04
14 11 2 1 22133.87 1 5496.50 1.8193 0.0606 0.0 0.0 1.16E-06 1.97E-05 1.20E-04 4.1 10 7 113 112 36244.30 1 5497.02 1.8192 0.0303 0.0 0.0 0.0 3.66E-07 8.63E-06 7.7 14 11 61 60 28366.87 1 5497.57 1.8190 0.0303 0.0 0.0 7.22E-07 3.00E-05 3.33E-04 1.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 0.0 9.10E-07 8.59E-06 3.55E-05 9.1 7 4 72 73 18242.22 1 5498.17 1.8188 0.0303 0.0 5.56E-07 2.93E-05 2.84E-04 1.19E-03 3.1 9 6 67 58 18611.44 1 5498.67 1.8186 0.0303 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 6.0 13 10 18 16 20723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 8 2 8 5 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 9 2 8 2 15672.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	6 3	3 7	0 71	15210.34	2	5495.94	1.8195	0.0303	0.0	5.68E-08	1.44E-06		2.82E-05	6.00E-05
10 7 113 112 36244.30 1 5497.02 1.8192 0.0303 0.0 0.0 0.0 3.66E-07 8.63E-06 7.7 14 11 61 60 28366.87 1 5497.57 1.8190 0.0303 0.0 0.0 7.22E-07 3.00E-05 3.33E-04 1.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 9.10E-07 8.59E-06 3.55E-04 2.7 7 4 72 73 16242.22 1 5498.17 1.8188 0.0303 0.0 5.56E-07 2.93E-05 2.84E-04 1.19E-03 3.1 9 6 57 58 18611.44 1 5498.67 1.8186 0.0303 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 6.0 13 10 15 16 20723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0303 0.0 7.56E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 5 28 5 86 18037.58 1 5495.72 1.8183 0.0359 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 5 28 5 86 18037.58 1 5495.72 1.8183 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	8 5	5 69	66	18446.48	1	5496.17	1.8194	0.0303	0.0	7.18E-07	3.98E-05	3.97E~04	1.70E-03	4.51€-03
14 11 61 60 28360.87 1 5497.57 1.8190 0.0303 0.0 0.0 7.22E-07 3.00E-05 3.33E-04 1.7 3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 9.10E-07 8.59E-06 3.55E-05 9.1 7 4 72 73 18242.22 1 5498.17 1.8188 0.0303 0.0 5.56E-07 2.93E-05 2.84E-04 1.19E-03 3.1 9 6 57 58 18611.44 1 5498.67 1.8186 0.0303 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 6.0 13 10 18 16 20723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.20E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0609 0.0 0.0 1.76E-06 2.98E-05 1.82E-04 6.5 5 2 85 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 5 28 28 19672.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	14 13	.1 :	2 1	22133.87	1	5496.50	1.8193	0.0606	0.0	0.0	1.16E-06	1.97E-05		4-11E-04
3 0 97 98 18071.92 1 5498.02 1.8188 0.0303 0.0 0.0 9.10E-07 8.59E-06 3.55E-05 9.1 7 4 72 73 18242.22 1 5498.17 1.8188 C.0303 C.0 5.56E-07 2.93E-05 2.84E-04 1.19E-03 3.1 9 6 57 58 18611.44 1 5498.67 1.8186 0.0303 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 6.0 13 10 18 16 2C723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0609 0.0 0.0 1.76E-06 2.98E-05 1.82E-04 6.2 5 2.85 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 9 28 29 19672.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	10 7	7 113	3 112	36244.30	1	5497.02	1.8192	0.0303	0.0	0.0				7.77E-05
7 4 72 73 16242.22 1 5498.17 1.8188 C.0303 C.0 5.56E-07 2.93E-05 2.64E-04 1.19E-03 3.1 9 6 57 58 18611.44 1 5498.67 1.8186 0.0303 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 6.0 13 10 15 16 2C723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0609 0.0 0.0 1.76E-06 2.98E-05 1.82E-04 6.2 5 2 85 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 9 28 29 19672.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	-		-		1									1.756-03
9 6 57 58 18611.44 1 5498.67 1.8186 0.0303 0.0 8.84E-07 5.09E-05 5.20E-04 2.26E-03 6.0 13 10 18 16 20723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0609 0.0 0.0 1.76E-06 2.98E-05 1.82E-04 6.2 5 2 85 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 9 28 29 19672.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	3 (	0 9	7 98	18071.92	1	5498.02	1.8188	E0E0.0	0.0	0.0	9.10E-07	8.59E-06	3.556-05	9.18E-05
13 10 15 16 20723.88 1 5498.70 1.8186 0.0591 0.0 1.77E-07 1.69E-05 2.34E-04 1.24E-03 3.8 11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56E-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0609 0.0 0.0 1.76E-06 2.98E-05 1.82E-04 6.5 5 2 85 86 18037.58 1 5499.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 9 28 29 19872.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	7 4				1	5498.17	1.8188		0.0					3.12E-03
11 8 39 40 19315.37 1 5499.36 1.8184 0.0303 0.0 7.56F-07 5.15E-05 5.82E-04 2.71E-03 7.6 14 11 3 2 22140.79 1 5499.65 1.8183 0.0609 0.0 0.0 1.76E-06 2.98E-05 1.82E-04 6.2 5 2 85 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 9 28 29 19872.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	9 (	6 5	7 58	18611.44	1	5498.67	1.8186	0.0303	0.0	8.84E-07	5.09E-05	5.205-04		6.07E-03
14     11     3     2     22140.79     1     5499.65     1.8183     0.0609     0.0     0.0     1.76E-06     2.98E-05     1.82E-04     6.2       5     2     85     86     18037.58     1     5495.72     1.8183     0.0303     0.0     1.91E-07     9.57E-06     9.00E-05     3.70E-04     9.5       12     9     26     25     19672.69     1     5500.19     1.8181     0.0359     0.0     4.78E-07     3.73E-05     4.56E-04     2.24E-03     6.5					1									3.86E-03
5 2 85 86 18037.58 1 5495.72 1.8183 0.0303 0.0 1.91E-07 9.57E-06 9.00E-05 3.70E-04 9.5 12 9 28 29 19672.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5	11 8	8 3	9 40	19315.37	1	5499.36	1.8184	0.0303	0.0	7.56F-07	5.15E-05	5.82E-04	2.71E-03	7.63E-03
12 9 28 29 19872.69 1 5500.19 1.8181 0.0359 0.0 4.78E-07 3.73E-05 4.56E-04 2.24E-03 6.5					1									6.22E-04
														9.56E-04
8 5 54 55 15563.68 2 5500.35 1.8181 0.0303 0.0 1.04E-07 2.90E-06 1.91E-05 6.20E-05 1.3														6.55E-03
														1.35E-04
					_									8.11E-04
		_	-											3.83E-04
					-									1.84E-03
		-												9.87E-05
														3.49E-05
11 8 103 102 34456.93 1 5501.87 1.8176 0.0303 0.0 0.0 0.0 1.11E-06 2.20E-05 1.7	11 8	8 103	3 102	34456.93	1	5501.87	1.8176	E0E0.0	0.0	0.0	0.0	1.11E-06	2.20E-05	1.75E-04

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVÊ LENGTH	HALF WICTH			ED ** ABSORF	TION ** CO	EFFICIENT #	*****
				ENERGY		CM-1	MICRBN	на	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	1	ез	84	14815.63	2	5501.93	1.8175	0.0303	0.0 - "	0.0	3.78E-07	2.23E-06	6.73E-06	1 705 05
12	9	92	91	32668.18	1	5502.45	1.8174	0.0303	0.0	0.0	4.11E-08	3.18E-06	5.33E-05	1.39E-05 3.76E-04
14	11	4	3	22151.18	1	5502.69	1.8173	0.0611	0.0	0.0	2.35E-06	3.99E-05	2.44E-04	8.35E-04
10	7	48	49	18822.44	1	5503.18	1.8171	0.0303	0.0	1.02E-06	6 • 19E-05	6.51E-04	2.895-03	7.87E-03
13	10	14	15	20668.05	1	5503.74	1.8169	0.0597	0.0	1.76E-07	1.66E-05	2.28E-04	1.21E-03	3.735-03
14	11	59	58	27979.44	1	5503.83	1.8169	0.0303	6.0	0.0	9.10E-07	3.58E-05	3.82E-04	1.95E-03
14	11	S	4	22165.02	1	5505.62	1.8163	0.0614	0.0	0.0	2.94E-06	5.01E-05	3.06E-04	1.05E-03
13	10	78	77	30523.82	1	5505.68	E618.1	0.0303	0.0	0.0	1.88E-07	1.07E-05	1.45E-04	8.82E-04
6	3	69	70	14964.37	2	5506.04	1.8162	E0E0.0	0.0	7.125-08	1.71E-06	1.03E-05	3.15E~05	6.58E-05
10	7			35875.71	1	5506.17	1.8161	0.0303	0.0	0.0	0.0	4.44E-07	1.01E-05	8.86E-05
5	2	76	77	14806.39	2	5506.28	1.8161	0.0303	0.0	4.17E-08	9.62E-07	5.67E-06	1.71E-05	3.53E-05
8	5	64	65	18211.34	1	5506.33	1.8161	0.0303	0.0	8.90E-07	4.66E-05	4.49E-04	1.885-03	4.91E-03
12	9	27	26	19770.91	1	5506.59	1.8160	0.0379	0.0	5.14E-07	3.91E-05	4.72E-04	2.296-03	6.66E-03
14	11	58	57	27783.53	1	5506.79	1.8159	E0E0.0	0.0	0.0	1.02E-06	3.90E-05	4.09E-04	2.06E-03
6	3	76	79	17923.02	1	5506.81	1.8159	€0E0÷0	0.0	4.30E-07	2.10E-05	1.94E-04	7.90E-04	2.02E-03
11	8	36	39	19174.33	1	5506.89	1.8159	E0E0.0	0.0	8.495-07	5.60E-05	6.20E-04	2.84E-03	7:94E-03
_	. 6	56	57	18405.41	1	5508.03	1.8155	0.0303	0.0	1.07E-06	5.85E~05	5.80E-04	2.47E-03	6.548-03
14 13	11	6 13	5	22182.32	1	5508.45	1.8154	0.0617	0.0	0.0	3.52E-06	6.01E-05	3.68E-04	1.26E-03
1.3	10	53	14 54	20615.70	1	5508.69	1.8153	0.0604	0.0	1.74E-C7	1.62E-05	2.21E-04	1.16E-03	J.59E-03
7	4	71	72	15394.23	2	5508.95	1.8152	0.0303	0.0	1.24E-07	3.28E-06	2.11E-05	6.72E-05	1.45E-04
12	9	91	90	17981.34 32385.48	1	5509.03	1.8152	E0E0.0	0.0	7.08E-07	3.51E-05	3.27E-04	1.34E-03	3.446-03
14	11	57	56	27590.84	1	5509.16	1.8152	E0E0.0	0.0	0.0	4.97E-08	3.68E-06	6.00E-05	4 • 1 4E-0 4
11	a		101	34119.43	1	55C9.64	1.8150	0.0303	0.0	0.0	1.14E-06	4.25E-05	4.37E-04	2.17E-03
7	4	61	62	15070.55	2	5509.85	1.8149	E0E0.0	0.0	0.0	0.0	1.32E-06	2.53E-05	1.97E-04
13	10	77	76	30265.92	1	5510.54 5510.79	1.8147	E0E0.0	0.0	1.09E-07	2.68E-06	1.64E-05	5.07E-05	1.07E-04
14	11	7	6	22203.07	1	5511.18	1.8146	E0E0.0	0.0	0.0	2.21E-07	1.21E-05	1.60E-04	9.57E-04
3	-0	96	97	17718.34	i	5511.33	1.8145 1.8144	0.0620	0.0	0.0	4.09E-06	7+00E-05	4.29E-04	1.48E-03
9	6	120		37161.89	î	5511.54	1.8144	E0E0.0 E0E0.0	0.0	0.0	1.16E-06	1:056-05	4.17E-05	1.05E-04
10	7	47	46	18648.93	î	5511.64	1.8143	E0E0.0	0.0	0.0	0.0	1.62E-07	4 - 17E-06	3.99E-05
5	2	~E 4	85	17728.62	î	5511.87	1.8143	E0E0.0	0.0	1.19E-06	6.92E-05	7.10E-04	3.10E-03	8.34E-03
14	11	56	56	27401.37	ī	5512.38	1.8141	0.0303	0.0 0.0	2.55E-07	1.19E-05	1.07E-04	4.27E-04	1.09E-03
12	9	26	27	19672.59	ī	5512.89	1.8139	0.0398	0.0	0.0 5.50E-07	1.27E-06	4.61E-05	4.66E-04	2.29E-03
4	1	82	83	14522.95	2	5513.24	1.8138	0.0303	0.0	0.0	4.08E-05	4.86E-04	E0-34E-03	6.76E-03
4	1	90	91	17660.10	1	5513.36	1.8138	E0E0.0	0.0	1.07E-07	4.64E-07 4.89E-06	2.63E-06	7.71E-06	1.56E-05
13	10	12	13	20566.83	ì	5513.53	1.8137	0.0610	0.0	1.71E-07	1.57E~05	4.35E-05 2.13E-04	1.73E-04	4.35E-04
14	11	' в	7	22227.29	1	5513.80	1.8136	0.0623	0.0	0.0	4.64E-06	7.97E-05	1.12E-03 4.90E-04	3.43E-03 1.69E-03
11	e	37	38	19036.74	1	5514.33	1.8135	0.0303	0.0	9.50E-07	6.06E-05	6.58E-04	2.98E-03	8.24E-03
14	11	55	54	27215.13	1	5515.01	1.8132	E0E0.0	0.0	0.0	1.42E-06	4.99E-05	4.95E-04	2.40E-03
10	7	111	110	35509.81	1	5515.19	1.8132	E0E0.0	0.0	0.0	0.0	5.37E-07	1.18E-05	1.01E-04
12	9	90	89	32085.71	1	5515.75	1.8130	E0E0.0	0.0	0.0	6.00E-08	4.26E-06	6.74E-05	4.56E-04
13	10	76	75	3CG11.07	1	5515.78	1.8130	E0E0.0	0.0	0.0	2.598-07	1.36E-05	1.77E~04	1.04E-03
6	3	68	69	14721.64	2	5516.06	1.8129	0.0303	0.0	8.916-08	2.01E-06	1.17E-05	3.50E-05	7.21E-05
14	11	S.	æ	22254.96	1	5516.31	1.8128	0.0624	0.0	0.0	5.17E-06	8.92E-05	5.50E-04	1.905-03
e	£	63		17979.55	1	5516.40	1.8128	E0E0.0	0.0	1.105-06	5.45E-05	5.08E-04	2.08E-03	5.35E-03
5	2	75	76	14536.66	2	5516.94	1.8126	E0E0.0	0.0	5.35E-08	1.16E-06	6.56E-06	1.93E-05	3.91E-05
9	6	55	56	18202.77	1	5517.29	1.8125	0.0303	0.0	1.28E-06	6.70E-05	6.45E-04	2.70E-03	7.05É-03
8	5	52	53	15208.11	2	5517.46	1:8124	E050.0	0.0	1.46E-07	3.72E-06	2.32E-05	7.276-05	1.54E-04
14	11	54	53	27032.14	1	5517.52	1.8124	E050.0	C.O	0.0	1.57E-06	5.4CE-05	5.26E-04	2.52E-03
11		101		33784.73	1	5517.71	1.8123	0.0303	0.0	0.0	0.0	1.56E-06	2190E-05	'2'-21E-04
6 13	3 · 10	77	78	17639.71	1	5518.27	1.8122	E0E0.0	0.0	5.60E-07	2.55E-05	2.27E-04	8.98E-04	2.26E-03
14	11	11	,12 S	20521.44	1	5518.27	1.8122	0.0617	0.0	1.66E-07	1.51E-05	2.03E-04	1.06E-03	3.256-03
14		10	>	22266.09	1	5518.72	1.8126	0.0624	0.0	4.08E-08	5.68E-06	9.84E-05	6.08E-04	2.10E-03

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONDXIDE

VU	٧L	JU	JL	LOWER State	CODE	WAVE NUMBER	LENCTH	. HALF	******	** INTEGRATI	ED ** ABSCRI		EFFICIENT *	*****
				ENERGY		CN-1	MICREN	н2	T = 1000	T = 1500	T = 2000	T = 2500	000E = T	T = 3500
12	g	25	26	19577.75	1 -	5519.10	1.8119	0.0418	0.0	5.85E-07	4.25Ė-05	4.99E-04	2.38E-03	`~6.83E~03
7	4	70	71	17723.78	ī	5519.80	1.8117	0.0303	0.0	8.98E-07	4.18E-05	3.76E-04	1.50E-03	3.80E-03
7	4	60	61	14856.11	2	5519.81	1.8117	E0E0.0	0.0	1.32E-07	3.09E-06	1.836-05	5.55E-05	1.15E-04
14	11	53	52	26852.39	1	5519.92	1.8116	EOEO.O	0.0	0.0	1.74E-06	5.82E-05	5.58E-04	2.64E-03
10	7	46	47	18478.84	1 "	5519.99	1.8116	0.0303	0.0	1.38E-06	7.71E-05	7.72E-04	3.316-03	8.83E-03
13	10	75	74	29759.31	1	5520.65	1.8114	E0E0.0	0.0	0.0	3.03E-07	1.54E-05	1.95E-04	1.12E~03
14	11	11	10	22320.67	1	5521.02	1.8113	0.0625	0.0	4.39E-08	6.15E-06	1.07E-04	6.65E-04	2.30E-03
S	6	119		36770.87	1	5521.51	1.8111	0.0303	0.0	0.0	0.0	1.99E-07	4.94E-06	4.61E-05
1 1	8	36	37	18902.61	1	5521.66	`i .'8111	8050.0	0.0	1.06E-06	6.54E-05	6.97E-04	3.11E-03	8.54E-03
14	11	52	<b>£1</b>	26675.90	1	5522.20	1.8109	0.0203	0.0	0.0	1.92E-06	6.26E-05	5.90E-04	2.75E-03
12	9	89	88	31788.87	1	5522.22	1.8109	0.0303	0.0	0.0	7.28E-08	4.95E-06	7.616-05	_5•05E-04
13	10	10	11	20479.54		5522.91	1.8106	0.0625	0.0	1.60E-07	1.44E-05	1.93E-04	1.00E-03	
14	11	12	11	22358:71	ř _	5523 22	1.8105	0.0617	0.0	4.66E-08	6.59E-06	1.15E-04	7.19E-04	2.50E-03
5	2	23 110	84	17422.89	ī	5523.92	1.8103	E0E0.0	0.0	3.40E-07	1.47E-05	1.27E-04	4.92E-04	1.225-03
10 14	11	51	50	35146.60 26502.68	1	5524.10	""E0103"""	E0E0.0"	. C-0	0.0	0.0	6.488-07	1.386-05	1.15E-04
4	1	£1	82	14233.45		5524.38 5524.46	1.8102 1.8101	0.0303 - 0.0303	0.0	0.0	2.11E-06	6.72E-05	6.23E-04	2.87E-03
3	ō	95	96	17367.91	1	5524.55	1.8101	0.0303	0.0	0.0	5.69E-07 1.49E-06	3.09E-06 1.27E-05	0.80E-06 4.89E-05	1.75F-05
12	9	24	25	19486.39	î	5525.20	1.8099	-0.0437	- 0.0	6.20E-07	4.41E-05	5.10E-04	2.41E-03	1.21E-04 6.89E-03
14	11	13	12	22400.19	ī	5525.30	1.8099	0.0610	0.0	4.90E-08	7.00E-06	1.23E-04	7.71E-04	2.69E-03
13	10	. 74	73	29510.62	ī	5525.41	"1.80S8"	0.0303	· · c.o-	0.0	"3.53E-07	1.73E-05	2.14E-04	1.21E-03
11		100	99	33452.85	1	5525.45	1.8098	0.0303	0.0	0.0	0.0	1.84E-06	3.32E-05	2.47E-04
8	5	51	52	15025.29	2	5525.88	1.8097	C0E0.0	0.0	1-72E-07	4.19E-06	2.55E-05	7.84E-05	1.65E-04
6	3	67	68	14482.17	2	5525.98	1.8096	0.0303	0.0	1.11E-07	2.37E-06	1.33E-05	3.89E-05	7.88E-05
4	1	29	90	17331.98	1	5526.00	1.8096	E050.0	0.0	1.45E-07	6.13E-06	5.21E-05	2.00E-04	4.936-04
8	5	62	63	17751.12	1	5526.38	1.8095	E0E0.0	0.0	1.35E-06	6.35E-05	5.73E-04	2.29E-03	5.81E-03
14	11	50	49	26332.73	1	5526.44	1.8055	' E0E0.0	. 0.0	`0 • 0	2.32E-06	7.19E-05	6.56E-04	2.99E-03
9	6	54	55	18003.52	i	5526.46	1.8095	E0E0.0	0.0	1.54E-06	7.66E-05	7.16E-04	2.94E-03	7.57E-03
14	11	14	13	22445.13	1	5527.29	1.8092	0.0604	0.0	5.10E-08	7.37E-06	1.31E-04	8.21E-04	2.87E-03
13	10	9	10	20441.12	1	5527.45	1.8092	0.0624	0.0	1 - 52E-07	1.36E-05	1.80E-04	9.35E-04	2.85E-03
5	2	74	75	14274.14	2	5527.52	1.8091		C.O 1"	6.84E-08	1.39E-06	7.58E-06	2.17E-05	4.336-05
10	. 7	45	46	18312.18	1	5528.25	1.8089	0.0303	0.0	1.60E-06	8.57E-05	8.38E-04	3.54E-03	9.32E-03
14 12	11	49 88	4 E 8 7	26166.05 31495.00	1	5528.39 1	8308.1	E0E0.0	0.0	0.0	2.54E-06	7.68E-05	6.89E-04	3.11E-03
3	0	E7	88	14049.87	_	5528.57	1.8088 1.8088	0.0303 0.0303 [*]	0.0	0.0	8.81E-08	5.74E-06	8.598-05	5.58E-04
11	8	35	36	18771.94	1	5528.62 5528.90	1.8087	0.0312	0.0	0.0 1.18E-06	1.58E-07 7.04E-05	8.38E-07 7.36E-04	2.35E-06 3.25E-03	4.61E-06 8.82E-03
7	4	55	60	14644.96	ż	5528.99	1.8086	. 0.0303	0.0	1.60E-07	3.55E-06	2.05E-05	6.07E-05	1.24E-04
14	11	15	14	22493.51	ĩ	5529.16	1.8086	0.0597	0.0	5.27E-08	7.70E-06	1.38E-04	8.67E-04	3.04E-03
	â	76	77	17359.69	ī	5529.64	"1".8084" ""	" EDEO. 0""		7.27E-07	3.10E-05	2.65E-04	1.02E-03	2.52E-03
13	10	73	72	29265.04	ī	5530.05	1.8083	0.0303	0.0	0.0	4.11E-07	1.94E-05	2.35E-04	1.31E-03
14	11	48	47	26002.67	Ĭ,	5530.23	1.8082	0.0303	0.0	0.0	2.77E-06	8.19E-05	7.23E-04	~3.22E-03
7	4	69	70	17469.54	1	5530.47	1.8082	E0E0.0	0.0	1.14E-06	4.98E-05	4.31E-04	1.68E-03	4.18E-03
14	11	16	15	22545.34	1	EQ.0822	1.8080	0.0591	0.0	5.40E-08	7.99E-06	1.44E-04	9.11E-04	3.21E-03
12	9	23	24	19398.52	1	5531.19	1.8079	0.0457	0.0	6.54E-07	4.55E-05	5.20E-04	2.44E-03	6.92E-03
9	6	118	117	36382.44	1	5531.35	1.8079 ``	E0E0.0	0.0 "	0.0	0.0	2.44E-07	5.84E-06	ีร์•31E∸05
13	10	3	9	20406-19	2	5531.88	1.8077	0.0624	0.0	1.43E-07	1.26E-05	1.675-04	8.63E-04	2.62E-03
14	11	47	46	25842.57	1	5531.96	1.8077	0.0303	-0.0	0.0	3.01E-06	€.70E-05	7.57E-04 T	E0-346-6
14	11	17	16	22600.61	1	5532.59	1.8075	0.0585	0.0	5.49E-08	8.24E-06	1.49E-04	9.52E-04	3.36E-03
10		109		34766.11	1	5532.89	1.8074	0.0303	0.0	0.0	0.0	7.82E-07	1.60E-05	1.31E-04
11	ε	55	98	33123.80	1	5533.08	1.8073	0.0303	0.0	0.0	0.0	2.175-06	3.806-05	2.76E-04
14	11	46	45	25665.79	1	5533.57	1.8072	. E0E0:0	0.0	0.0	3.26E-06	9.22E-05	7.905-04	3.456-03
14	11	16	17	22659.31	1	5534.15	1.8070	0.0568	0.0	5.55E-08	8.44E-06	1.54E-04	9.89E-04	3.51E-03
8	5	50	51	14645.80	2	5534 •21	1.8069	0.0303	" 0.0	2.02E-07	4.71E-06	2.79E-05	8.45E-05	1.75E-04

VU	٧L	Ju	JŁ	LOWER STATE	CODE	WAVE	WAVE '	HALF WIDTH	******	** INTEGRATE	ED ** ABSORF		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
13	10	72	71	29022.55	1	5534.58	1.8068	E0E0.0	0.0	0.0	4.77E-07	2.186-05	2.57E-04	1.41E-03
12	9	87	86	31204.08	1	5534.81	1.8067	C.0303	0.0	0.0	1.06E-07	6.65E-06	9.67E-05	6.16E-04
14	11	45	44	25532.30	1	5535.08	1.8067	0.0303	0.0	0.0	3.53E-06	9.76E-05	8.24E-04	3.56E-03
9	6	53	54	17807.68	1	5535.54	1.8065	E0E0.0	0.0	1.83E-06	8.72E-05	7.94E-04	3.19E-03	8.125-03
14	11	19	18	22721.46	1	5535.59	1.8065	0.0552	0.0	5.57E-CE	8.60E-06	1.59E-04	1.02E-03	3.64E-03
4	1	60	81	13947.12		5535,59	1.8065	E0E0.0	0.0	0.0	6.94E-07	3.62E-06	1.00E-05	1.96E-05
6	3	66	67	14245.95	2	5535.82	1.8064	E0E0.0	0.0	1.38E-07	2.78E-06	1.51E-05	4.32E-05	8.60E-05
5	2	62	E8	17120.41	1	5535.86	1.8064	0.0303	C.O	4.51F-07	1.825-05	1.50E-04	5.65E-04	1.37E-03
11	8	34	35	18644.73	1	5536.04	1.8063	0.0317	0.0	1.30E-06	7.55E-05	7.75E-04	3.385-03	9.10E-03
13	10	7	8	20374.75	1	5536.20	1.8063	ES30.0	0.0	1.32E-07	1.16E-05	1.52E-04	7.85E-04	2.38E-03
. 6	5	61	62	17526.07		5536.25	1.8063	E0E0.0	0.0	1.66E-06	7.38E-05	6.45E-04	2.53E-03	6.30E-03
10	7	44	45	16148.97	1	5536.41	1.8062	E0E0.0	0.0	1.84E-06	9.49E-05	9.07E-04	3.77E-03	9.82E-03
14	11	44	43	25382.13	1	5536.47	1.8065	0.0303	0.0	0.0	3.80E-06	1.03E-04	8.56E-04	3.66E-03
14	11	20	19	22787.05	1	5536.93	1.8061	0.0535	0.0	5.55E-06	8.71E-06	1.62E-04	1.05E-03	3.775-03
12	S	22	23	19314.13	1	5537.09	1.8060	0.0476	0.0	6.85E-07	4.676-05	5.28E-04	2.46E-03	6.93E-03
	0	54	95	17020.62	1	5537.68	1.8058	E050.0	0.0	4.81F-08	1.89E-06	1.54E-05	5.73E-05	1.38E-04
14	11	42	42	25235.28	1	6537.75	1.8058	0.0303	0.0	0.0	4.09E-06	1.08E-04	8.88E-04	3.76E-03
5	2	73	74	14012.86	2	5538.00	1.8057	0.0303	0.0	8.71E-08	1.66E-06	8.75E-06	2.44E-05	4.79E-05
7	4	58	59	14437.11	2	5538.07	1.8057	E0E0.0	0.0	1.94E-07	4.09E-06	2.29F-05	6.65E-05	1.34E-04
14	11	21	20	22856.06	1	5538.16	1.8057	0.0515	0.0	5.516-08	8.78E-06	1.65E-04	1.08E-03	3.885-03
4	1	38	89	17007.07	1	5538.55	1.8055	0.0303	0.0	1.976-07	7.71E-06	6.25E-05	2.33E-04	5.61E-04
14	11	42	41	25091.76	1	5538.93	1.8054	0.0303	0.0	0.0	4.38E-06	1 - 1 4E-04	9.20E-04	3.85E-03
13	10	71	70	28783.19	1	5538.99	1.8054	0.0303	0.0	0.0	5.526-07	2.446-05	2.81E-04	1.526-03
14 14	11	22 41	21 40	22928.51	1	5539.29	1.8053	0.0496	0.0	5.43E-08	8.81E-06	1.67E-04	1.10E-03	3.98E-03
14	11	23	22		1	5539.99	1.8051	E0E0.0	0.0	0.0	4.68E-06	1.19E-04	9.50E-04	3.94E-03
2	0	86	87	23004.38	1	5540.30	1.8050	0.0476	0.0	5.32E-08	8.80E-06	1.69E-04	1.12E-03	4.07E-03
13	10	6	7	13741.75 20346.80	2	5540.31	1.8050	0.0303	0.0	0.0	1.97E-07	9.95E-07	2.71E-06	5.21E-06
11	3	98	97	32797.60	1	5540.43 5540.58	1.8649	0.0620	0.0	1.19E-07	1.G4E-05	1.37E-04	7.01E-04	2.12E-03
`6	3	75	76	17082.96	1	5540.56	1.8049 1.8048	0.0303	0.0	0.0	0.0	2.56E-06	4.34E-05	3.08E-04
12	9	66	85	30916.14	i	5540.93	1.8048	0.0303 0.0303	0.0	9.40E-07	3.76E-05	3.08E-04	1.16E-03	2.80E-03
14	11	40	39	24814.72	1	5540.94	1.8047	0.0303	0.0	0.0	1.28E-07	7.68E-06	1.09E-04	6.798-04
7	4	68	69	17218.64	1	5541.05	1.8047	0.0303	0.0 0.0	0:0 1:43E-06	4.98E-06 5.90E-05	1.24E-04 4.94E-04	9.78E-04 1.88E-03	4.02E-03 4.59E-03
9	6	117		35996.63	i	5541.07	1.8047	0.0303	0.0	0.0	0.0	3.00F-07	6.90E-06	6.11E-05
14	11	24	23	23083.67	ī	5541.21	1.8047	0.0303	0.0	5.196-08	8.75E-06	1.70E-04	1.146-03	4.15E-03
10	7	108	107	34428.34	i	5541.55	1.8046	0.0303	0.0	0.0	0.0	9.41E-07	1.86E-05	1.48E-04
14	11	35	38	246E1.22		5541.78	1.8045	0.0303	0.0	0.0	5.28E-06	1.29E-04	1.01E-03	4.10E-03
14	11	25	24	23166.39	1	5542.01	1.8044	0.0437	0.0	5.04E-08	8.665-06	1.70E-04	1.15E-03	4.21E-03
8	5	49	50	14665.05	2	5542.45	1.8042	EOEO.O	G.O	2.37E-07	5.29E-06	3.C6E-05	9.096-05	1.86E-04
14	11	38	37	24551.07	1	5542.51	1.8042	0.0303	0.0	0.0	5.59E-06	1.34E-04	1.03E-03	4.16E-03
14	11	26	25	23252.52	1	5542.7C	1.8042	0.0418	0.0	4.87E-CE	8.54E-06	1.70E-04	1.15E-03	4.26E-03
12	9	21	22	19233,23	1	5542.89	1.8041	0.0496	0.0	7.15E-07	4.78E-05	5.34E-04	2.476-03	6.92E-03
11	8	23	34	18521.00	1	5543.08	1.8041	0.0321	0.0	1.43E-06	8.06E-05	P.13E-04	3.50È-03	9.36E-03
14	11	37	36	24424.27	1	5543.12	1.8040	0.0308	0.0	0.0	5.89E-06	1.39E-04	1.05E-03	4.22È-03
13	1 C	70	69	28546.96	1	5543.29	1.8040	E050.0	0.0	0.0	6.37E-07	2.726-05	3.06E-04	1.63E-03
14	11	27	26	23342.06	1	5543.29	1.8040	8050.0	0.0	4.68E-08	8.38E-06	1.69E-04	1.166-03	4.30E-03
14	11	36	35,	243C0.84	1	5543.63	1.8039	0.0312	0.0	0.0	6.19E-06	1.43E-04	1.08E-03	4.27E-03
14	11	28	27	23435.02	1	5543.76	1.8038	0.0379	0.0	4.47E-08	8.20E-06	1.68E-04	1.168-03	4.33E-03
14	11	35	34	24160.77	1	5544.03	1.8037	0.0317	0.0	0.0	6.48E-06	1.48E-04	1.09E-03	4.316-03
14	11	29	28	23531.37	1	5544.13	1.8037	0.0359	0.0	4.26E-08	7.99E-06	1.66E-04	1.15E-03	4.35E-03
14	11	34	33	24064.08	1	5544.32	1.8036	1550.0	0.0	0.0	6.77E-06	1.51E-04	1.11E-03	4.34E-03
14	11	30	29	23631.13	1	5544.35	1.8036	0.0340	0.0	4.04E-08	7.75E-06	1.63E-04	1.15E-03	4.35E-03
10	7	43	44	17989.20	1	5544.48	1.8036	E0E0.0	0.0	2.11E-06	1.05E-04	9.79E-04	60-310.4	1.03E-02

Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   Nember   N	vv	٧Ļ	JU	JL	LOWER STATE	CODE	WAVE	WAVE LENCTH	HALF WIDTH	*****	** INTECRATI	ED ** ABSOR		EFFICIENT *:	******
14 13 33 32 2256176 1 5584.56 1.0034					ENERGY		CM-1	MICRGN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
14 13 33 32 2256.76 1 5594.51 1.0036 0.0326 0.0 0.0 7.04E-06 1.55E-04 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 1.12E-03 4.75E-03 4.75E-03 1.12E-03 4.75E-03 4.75E-03 1.12E-03 4.75E-03 4.75E										`					
10 1 2 2 2 3 3 17415,20 1 5544,51 1,0036 0,0303 0.0 2,18E-06 9,91E-05 8,77E-04 3,46E-03 4,76E-03 4,76E-03 13 10 5 6 2322,30 1 5544,53 1,0036 0,0033 0.0 0.0 1,005E-07 9,16E-06 1,20E-04 6,13E-03 4,36E-03 13 10 5 6 2322,30 1 5544,53 1,0036 0,0013 0.0 0.0 1,005E-07 9,16E-06 1,20E-04 6,13E-03 1,85E-03 12 10 10 5 6 2322,30 1 5544,53 1,0036 0,0013 0.0 0.0 1,005E-07 9,16E-06 1,20E-04 6,13E-03 1,85E-03 1,	1.4	1.1	22	32	23950-76	1		1.8036	0.0326	0.0	0.0	7.04E-06	1.55E-04	1.12E-03	4.36E-03
1   31   30   22734.29   55.4.53   1.6026   0.0335   0.0   0.0   7.53E-06   1.61E-04   1.14E-03   4.76E-03   1.31E-05   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32   1.32														3.46E-03	8.70E-03
13 10 6 6 2332,34 1 5544.57 1.6026 0.0617 0.0 1.05E-07 9.16E-06 1.20E-06 6.13E-06 1.47E-03 4.77E-03 6 3 65 6 14C13.01 2 5545.56 1.8022 0.0503 0.0 0.0 1.71E-07 7.30E-06 1.71E-05 4.77E-03 9.77E-06 1.8021 0.0030 0.0 0.0 1.71E-07 7.30E-06 1.71E-05 4.77E-03 9.77E-06 1.8021 0.0030 0.0 0.0 1.05E-07 7.48E-06 1.71E-05 4.77E-03 9.77E-06 1.8021 0.0030 0.0 0.0 1.05E-07 7.48E-06 1.71E-05 4.77E-08 9.77E-08 1.8021 0.0030 0.0 0.0 0.0 1.56E-07 1.80E-06 1.71E-05 4.77E-08 9.77E-08 1.80E-08 7.78E-08 9.77E-08 9.77												7.53E-06	1.61E-04	1.14E-03	4.36E-03
8 5 66 61 1730-39 1 5546-04 1.8031 0.3030 0.0 2.038-06 8.55E-05 7.24E-04 2.73E-03 6.62E-03 8.55E-05 7.24E-04 2.73E-03 6.62E-03 8.55E-05 7.24E-04 2.73E-03 6.62E-03 8.55E-05 7.24E-04 2.73E-03 6.62E-03 8.55E-05 7.24E-04 2.73E-03 6.62E-03 8.55E-05 7.24E-04 2.73E-03 6.62E-03 8.55E-05 7.24E-04 2.73E-03 6.62E-03 7.24E-04 2.73E-03 6.62E-03 7.24E-04 7.74E-04 7.									0.0617	0.0	1.05E-07	9.16E-06	1.20E-04	6.13E-04	
\$ 5 60 61 17304.39 1 5546.04 1.8031 0.0303 0.0 2.03E-06 8.48E-07 4.2E-03 6.48E-03 1.2 8 1 7304.39 1 5546.64 1.8029 0.0303 0.0 4.82E-08 8.44E-07 4.2E-06 1.14E-06 1.14		11	32	31	23840.83	1	5544.57	1.8036	0.0331	0.0	0.0	7.30E-06	1.58E-04	1.14E-03	
1			65	66			5545.56	1.8032	E050.0	C.O	1.71E-07	3.26E-06	1.71E-05	4.78E-05	
1	8	5	60	61	17304.39	1	5546.04	1.8031	0.0303	0.0	2.03E-06	8.556-05			
13 1C 66 68 28313.66 1 5567.47 1.8026 0.0303 C.0 2.34E-07 4.70E-06 2.58E-05 7.28E-05 1.45E-04 1.74E-03 5 2 61 62 16221.19 1 5547.47 1.8026 0.0303 0.0 0.0 0.0 7.33E-07 3.03E-05 3.34E-04 1.74E-03 5 2 61 62 16221.19 1 5547.47 1.8026 0.0303 0.0 0.0 4.01E-08 3.01E-06 4.98E-04 1.74E-03 5 2 72 73 13754.80 2 5548.40 1.8023 0.0303 0.0 1.11E-07 1.99E-06 1.01E-05 2.74E-05 5.28E-05 1.44E-04 1.8013 0.0303 0.0 1.11E-07 1.99E-06 1.01E-05 2.74E-05 5.28E-05 1.44E-04 1.8013 0.0303 0.0 1.99E-06 1.01E-05 2.74E-07 5.28E-07 1.28E-07 1.8025 0.0326 0.0 1.57E-06 1.59E-06 1.01E-05 2.74E-07 5.28E-07 1.8025 0.0515 0.0 7.42E-07 4.87E-0E 5.3EE-04 5.20E-07 1.8012 0.0326 0.0 1.57E-06 1.59E-06 1.01E-05 2.74E-03 6.88E-03 1.8023 0.0515 0.0 7.42E-07 6.55E-05 5.51E-04 5.20E-07 1.8012 0.0326 0.0 1.57E-06 1.59E-06 1.59E-07 1.8012 0.0326 0.0 1.57E-06 1.59E-07 1.3E-06 1.59E-07 1.8012 0.0326 0.0 1.57E-07 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.8012 0.0 1.80	4	1	79	80	13663.99	2	5546.64	1.8029							
1	12	9	85	84	30631.19	1	5546.94	1.8028							
1	7	4	57	58	14232.57	2	5547.07	1.8028							
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10 7 107 106 34073.32 1 5550.1C 1.801E 0.3033 0.0 0.0 0.0 1.13E-06 2.16E-05 1.68E-08 8 5 4E 49 14046.84 2 5550.6C 1.8016 0.3033 0.0 0.0 0.0 3.67E-07 8.51E-05 1.98E-05 1.98E-05 9 6 116 11E 32613.45 1 5550.67 1.8016 0.3033 0.0 0.0 0.0 3.67E-07 8.51E-05 1.78E-05 1.98E-05 1.98															
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11 8 31 32 18283.98 1 5556.85 1.7996 0.0331 0.0 1.71E-06 9.11E-05 8.88E-04 3.74E-03 9.84E-03 4 78 79 13384.06 2 5557.6C 1.7953 0.0303 0.0 6.26E-08 1.03E-06 1.30E-05 2.44E-05 10 7 106 105 32721.07 1 5558.53 1.7990 0.0303 0.0 0.0 0.0 0.0 0.0 1.35E-06 2.51E-05 1.90E-04 12 9 83 82 3C070.30 1 5558.59 1.7990 0.0303 0.0 0.0 0.0 0.0 1.35E-06 2.51E-05 1.63E-04 9.01E-04 8 5 47 48 14327.37 2 5558.66 1.7990 0.0303 0.0 0.0 3.20E-07 6.59E-06 3.63E-05 1.04E-04 2.09E-04 5 2 71 72 13499.99 2 5558.72 1.7990 0.0303 0.0 1.40E-07 2.37E-06 1.16E-05 3.07E-05 5.82E-05 13 10 66 65 27633.50 1 5559.33 1.7988 0.0303 0.0 0.0 0.0 1.10E-06 4.12E-05 4.25E-04 2.12E-03 5 2.00 6.0 1.6525.24 1 5559.52 1.7987 0.0303 0.0 0.0 7.89E-07 2.76E-05 2.09E-04 1.73E-03 12 9 12 19 19011.50 1 5559.67 1.7987 0.0303 0.0 7.89E-07 4.98E-05 5.39E-04 2.43E-03 6.73E-03 13 10 1 2 20259.43 1 5559.99 1.7986 0.0606 0.0 0.0 3.29E-06 4.26E-05 2.17E-04 6.58E-04 9.01E-05 1.114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 3.29E-06 4.26E-05 2.17E-04 6.58E-05 1.7985 0.0303 0.0 0.0 0.0 4.48E-07 9.59E-06 8.05E-05 1.478E-05 9.050.31 1.7985 0.0303 0.0 0.0 2.25E-06 8.25E-05 6.42E-04 2.33E-03 9.5E-05 9.050.31 1.7985 0.0303 0.0 0.0 0.0 2.25E-06 8.25E-05 6.42E-04 2.33E-03 9.02E-03 9.02E-03 9.02E-03 9.00E-03											5.676-08	4.87E-06	6.31E-05	3.22E-04	9.69E-04
4 1 78 79 13384.06 2 5557.6C 1.7993 0.0303 0.0 6.26E-08 1.03E-06 4.94E-06 1.30E-05 2.44E-05 10 7 106 10E 32721.07 1 5558.53 1.7990 0.0303 0.0 0.0 0.0 0.0 1.35E-06 2.51E-05 1.99E-04 12 9 83 82 3C070.30 1 5558.59 1.7990 0.0303 0.0 0.0 0.0 2.20E-07 1.17E-05 1.53E-04 9.01E-04 8 5 47 48 14327.37 2 5558.66 1.7990 0.0303 0.0 3.20E-07 6.59E-06 3.63E-05 1.04E-04 2.09E-04 5 2 71 72 13499.99 2 5558.72 1.7990 0.0303 0.0 1.40E-07 2.37E-06 1.16E-05 3.07E-05 5.82E-05 13 10 66 65 27633.50 1 5559.33 1.7988 0.0303 0.0 0.0 1.40E-07 2.37E-06 1.16E-05 3.07E-05 5.82E-05 12 9 18 19 16525.24 1 5559.52 1.7987 0.0303 0.0 0.0 1.10E-06 4.12E-05 4.25E-04 1.73E-03 12 9 18 19 19011.50 1 5559.67 1.7987 0.0303 0.0 7.89E-07 2.76E-05 2.09E-04 7.43E-04 1.73E-03 13 10 1 2 20259.43 1 5559.99 1.7986 0.0606 0.0 0.0 3.29E-06 4.26E-05 2.17E-04 6.54E-04 9 6 115 114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 3.29E-06 4.26E-05 2.17E-04 6.54E-04 9 6 115 114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 4.48E-07 9.59E-06 8.05E-05 10 7 4 14 2 17660.03 1 5560.31 1.7985 0.0303 0.0 0.0 2.75E-06 1.27E-04 1.13E-03 4.50E-03 9.92E-03 9 6 50 61 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.50E-03 9.92E-03	_	-									1.71E-06	9.11E-05	8.88E-04	3.74E-03	9.84E-03
10 7 106 105 32721.07 1 5558.53 1.7990 0.0303 0.0 0.0 0.0 2.20E-07 1.17E-05 1.53E-04 9.01E-04 8 5 47 48 14327.37 2 5558.66 71.7990 0.0303 0.0 3.20E-07 6.59E-06 3.63E-05 1.04E-04 2.09E-04 5 2 71 72 13459.99 2 5558.72 1.7990 0.0303 0.0 1.40E-07 2.37E-06 1.66E-05 3.07E-05 5.82E-05 1.04E-04 2.09E-04 5 2 80 81 16525.24 1 5559.33 1.7988 0.0303 0.0 0.0 1.10E-06 4.12E-05 4.25E-04 2.12E-03 5 2 80 81 16525.24 1 5559.52 1.7587 0.0303 0.0 7.89E-07 2.76E-05 2.09E-04 7.43E-04 1.73E-03 12 9 18 19 19011.50 1 5559.67 1.7987 0.0352 0.0 7.85E-07 4.98E-05 5.35E-04 2.32E-03 6.73E-03 13 10 1 2 20259.43 1 5559.99 1.7986 0.0606 0.0 0.0 3.29E-06 4.26E-05 2.17E-04 6.54E-04 9.6 115 114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 0.0 4.48E-07 9.59E-06 8.05E-05 10 7 41 42 17680.03 1 5560.31 1.7985 0.0303 0.0 2.75E-06 1.27E-04 1.13E-03 4.50E-03 9.50E-05 9 6 50 51 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.55E-03 9.92E-03 9.02E-03 9.92E-03 9											6.266-06	1.03E~06	4.945-06	1.30E-05	2.446-05
12 9 83 82 3C070.30 1 5558.59 1.7990 0.0303 0.0 0.0 2.20E-07 1.17E-05 1.53E-04 9.01E-04 8 5 47 48 14327.37 2 5558.66 1.7990 0.0303 0.0 3.20E-07 6.59E-06 3.63E-05 1.04E-04 2.09E-04 5 2 71 72 13499.99 2 5558.72 1.7990 0.0303 0.0 1.40E-07 2.37E-06 1.16E-05 3.07E-05 3.07E-05 1.16E-05 3									E0E0.0	0.0	0.0	0.0	1.356-06	2.51E-05	1.90E-04
8		9	83	82	30070.40	1	5558.59	1.7990	0.0303	0.0	0.0	2.20E-07	1.17E-05	1.53E-04	9.01E-04
13 10 66 65 27633.50 1 5559.33 1.7988 0.0303 0.0 0.0 1.10E-06 4.12E-05 4.25E-04 2.12E-03 5 2 80 81 16525.24 1 5559.52 1.7987 0.0303 0.0 7.89E-07 2.76E-05 2.09E-04 7.43E-04 1.73E-03 12 9 18 19 19011.50 1 5559.67 1.7987 0.0552 0.0 7.85E-07 4.98E-05 5.35E-04 2.43E-03 6.73E-03 13 10 1 2 20259.43 1 5559.99 1.7986 0.0606 0.0 0.0 3.29E-06 4.26E-05 2.17E-04 6.54E-04 9 6 115 114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 4.48E-07 9.59E-06 8.05E-05 10 7 41 42 17680.03 1 5560.31 1.7985 0.0303 0.0 2.75E-06 1.27E-04 1.13E-03 4.50E-03 1.14E-02 7 4 66 67 16726.89 1 5561.93 1.7979 0.0303 0.0 2.25E-06 8.25E-05 6.42E-04 2.33E-03 5.51E-03 9 6 50 51 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.55E-03 9.92E-03		ξ	47	48	14327.37	2	5558.66	1.7990	0.0303	0.0	3.20E-07	6.59E-06	3.636-05	1.04E-04	
13 10 66 65 27633.50 1 5559.33 1.7988 0.0303 0.0 0.0 1.10E-06 4.12E-05 4.25E-04 2.12E-03 5 2 80 81 16525.24 1 5559.52 1.7987 0.0303 0.0 7.89E-07 2.76E-05 2.09E-04 7.43E-04 1.73E-03 12 9 18 19 19011.50 1 5559.67 1.7987 0.0552 0.0 7.85E-07 4.98E-05 5.39E-04 2.43E-03 6.73E-03 13 10 1 2 20259.43 1 5559.99 1.7986 0.0606 0.0 0.0 3.29E-06 4.26E-05 2.17E-04 6.54E-04 9 6 115 114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 4.48E-07 9.59E-06 8.05E-05 10 7 41 42 17680.03 1 5560.31 1.7985 0.0303 0.0 2.75E-06 1.27E-04 1.13E-03 4.50E-03 1.14E-02 7 4 66 67 16726.89 1 5561.93 1.7979 0.0303 0.0 2.25E-06 8.25E-05 6.42E-04 2.33E-03 5.51E-03 9 6 50 51 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.05E-03 9.92E-03	5	2	71	72	13499.99	2	5558.72	1.7990	0.0303	0.0	1.40E-07	2.37E-06	1.16E-05	3.07E-05	5.82E-05
12 9 16 19 19011.50 1 5559.67 1.7987 0.0552 0.0 7.85E-C7 4.98E-O5 5.39E-O4 2.43E-O3 6.73E-O3 13 10 1 2 20259.43 1 5559.99 1.7986 0.0606 0.0 0.0 3.29E-O6 4.26E-O5 2.17E-O4 6.54E-O4 9 6 115 114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 4.48E-O7 9.59E-O6 8.05E-O5 10 7 41 42 17680.03 1 5560.31 1.7985 0.0303 0.0 2.75E-O6 1.27E-O4 1.13E-O3 4.50E-O3 1.14E-O2 7 4 66 67 16726.89 1 5561.93 1.7979 0.0303 0.0 2.25E-O6 8.25E-O5 6.42E-O4 2.33E-O3 5.51E-O3 9 6 50 61 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-O6 1.27E-O4 1.06E-O3 4.65E-O3 9.92E-O3		10	66	65	27633.50	1	5559.33	1.7988	E0E0.0	0.0	0.0	1.10E-06	4.12E-05		
13 10 1 2 20259.43 1 5559.99 1.7986 0.0606 0.0 0.0 3.29E-06 4.26E-05 2.17E-04 6.54E-04 9 6 115 114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 4.48E-07 9.59E-06 8.05E-05 10 7 41 42 17680.03 1 5560.31 1.7985 0.0303 0.0 2.75E-06 1.27E-04 1.13E-03 4.50E-03 1.14E-02 7 4 66 67 16726.89 1 5561.93 1.7979 0.0303 0.0 2.25E-06 8.25E-05 6.42E-04 2.33E-03 5.51E-03 9 6 50 51 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.55E-03 9.92E-03	5	2	eс	81	16525.24	1	5559.52	1.7987	E0E0.0	0.0					
9 6 115 114 35232.91 1 5560.15 1.7985 0.0303 0.0 0.0 0.0 4.48E-07 9.59E-06 8.05E-05 10 7 41 42 17680.03 1 5560.31 1.7985 0.0303 0.0 2.75E-06 1.27E-04 1.13E-03 4.50E-03 1.14E-02 7 4 66 67 16726.89 1 5561.93 1.7979 0.0303 0.0 2.25E-06 8.25E-05 6.42E-04 2.33E-03 5.51E-03 9 6 50 51 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.55E-03 9.92E-03	12	ç	1 8	19	19011.50	1	5559.67	1.7987		0.0					
10 7 41 42 17680.03 1 5560.31 1.7985 0.0303 0.0 2.75E-06 1.27E-04 1.13E-03 4.50E-03 1.14E-02 7 4 66 67 16726.89 1 5561.93 1.7979 0.0303 0.0 2.25E-06 8.25E-05 6.42E-04 2.33E-03 5.51E-03 9 6 50 51 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.05E-03 9.92E-03	13	10	1	2	20259.43	1									
7 4 66 67 16726.89 1 5561.93 1.7979 0.0303 0.0 2.25E-06 8.25E-05 6.42E-04 2.33E-03 5.51E-03 9 6 50 61 17240.70 1 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.65E-03 9.92E-03	9	6	115	114	35232.91	1	5560.15								
9 6 50 61 17240.70 '1' 5562.18 1.7979 0.0303 0.0 3.05E-06 1.27E-04 1.06E-03 4.05E-03 9.92E-03	10	7	41	42		1									
3	7	4	66												
11 8 95 94 31836.23 1 5562.38 1.7978 0.0303 0.0 0.0 6.03E-08 4.13E-06 6.39E-05 4.25F-04	9														
	11	8	95	94	31836.23	1	5562.38	1.7978	0.0303	0.0	0.0	6.03E-08	4.13E-06	0.446-02	4.255-04

νu	٧L	JU	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF , WIDTH	******	** INTEGRATI	ED ** ABSORF		EFFICIENT *	*****
				ENERGY		CM-1	MICRGN	H S	T = 1000	T = 1500	T = 200C	T = 2500	T = 3000	T = 3500
														•
13	1 G	65	64	27413.06	1	5563.06	1.7576	E050.0	0.0	0.0	1.25E-06	4.54E-05	4.60E-04	E0-385.S
8	5	123		36600.82	1	55€3.1 <i>€</i>	1.7975	0.0303	0.0	0.0	0.0	1.596-07	3.88E-06	3.58E-05
6	3	73	74	16539.45	1	5563.18	1.7975	5050.0	0.0	1.56E-06	5.47E-05	4.14E-04	1.48E-03	3.45E-03
4	1	86	87	16366.91	1	5563.37	1.7975	E0E0.0	0.0	3.60E-07	1.21E-05	8.95F-05	3.14E-04	7.245-04
3	0	84	85	13134.97	2	5563.43	1.7975	0.0303	0.0	0.0	3.01E-07	1.40E-06	3.59E-06	6,62E-06
11	8	30	31	18170.69	1	5563.59	1.7974	0.0335	0.0	1.86E-06	9.64E-05	9.24E-04	3.856-03	1.01E-02
13	10	¢	1	20252.43	¥	5563.59	1.7974	0.0603	0.0	0.0	1.67E-06	2.165-05	1.10E-04	3.30E-04
3	0	92	93	16335.59	1	5563.67	1.7974	E0E0.0	0.0	9.11E-08	3.C4E-06	2.24E-05	7.83E-05	1.80E-04
12	S	€2	81	25754.40	1	5564.25	1.7972	0.0303	0.0	0.0	2.63E-07	1.34E-05	1.71E-04	9.87E-04
7	4	55	56	13833.44	2	5564.79	1.797C	E0E0.0	0.0	3.36E-07	6.15E-06	3.15E-05	8.66E-05	1.68E-04
6	3	63	64	13556.96	2	5564.79	1.7970	E0E0.0	0.0	2.59E-07	4.43E-06	2.18E-05	5.83E-05	1.11E-04
12	ς	17	16	18944.59	1	5565.06	1.7969	0.0568	0.0	7.99E-07	4.99E-05	5.35E-04	2.40E-03	6.61E-03
8	5	5€	59	16871.22	1	5565.31	1.7568	C.0303	C • O	3.01E-C6	1.14E-04	9.10E-04	3.35E-03	7.99E-03
. 8	£	46	47	14161.26	2	5566.62	1.7964	E0E0.0	0.0	3.71E-07	7.33E-06	3.94E~05	1.12E-04	2.21E-04
13	10	64	63	27195.80	1	5566.67	1.7964	E0E0.0	0.0	0.0	1.42E-06	5.00E-05	4.96E-04	2.40E-03
10	7		104	33371.58	1	5566.84	1.7964	E0E0.0	0.0	0.0	0.0	1.62E-06	2.90E-05	2.15E-04
10	7	40	41	17530.64	1	5568.08	1.7960	0.0303	0.0	3.12E-06	1.39E-04	1.216-03	4.76E-03	1.19E-02
4	1	77	78	13107.35	2	5568.47	1.7958	0.0303	0.0	8.11E-08	1.25E-06	5.75E-06	1.47E-Ó5	2.71E-05
5	2	70	71	13248.44	2	5568.94	1.7957	0.0303	0.0	1.77E-07	2.81E-06	1.32E-05	3.44E-05	6.40E-05
11	8	54	93	31521.56	1	5569.41	1.7955	E0E0.0	0.0	0.0	7.37E-08	4.83E-06	7.24E-05	4.72E-04
9			113	34855.04	1		. 1.7955	E0E0.0	0.0	0.0	0.0	5.46F-07	1.13E-05	9.226-05
12	9	€ 1	eo	29521.54	1	5569.78	1.7954	C0E0.0	G.O	0.0	3.13E-07	1.53E-05	1.90E-04	1.08E-03
13	10	63	62	26981.75	1	5570.17	1.7953	0.0303	0.0	0.0	1.61E-06	5.49E-05	5.33E-04	2.54E-03
11	8	29	30	16060.90	1	5570.23	1.7953	0.0340	C • O	2.016-06	1.C2E-04	9.5SE-04	3.96E-03	`1.02E-02
12	9	16	17	18881.18	1	5570.35	1.7952	0.0585	0.0	8.09E-07	4.98E-05	5.29E-04	E0-36E-03	6.46E-03
13	10	1	C	20248.94	1	5570.48	1.7952	0.0603	0.0	0.0	1.70E-06	2.205-05	1.12E-04	3.37É-04
9	6	49	50	17058.57	1	5570.86	1.7951	0.0303	0.0	3.598-06	1.43E-04	1.17E-03	4.37E-03	1.06E-02
5	2	75	80	16232.57	1	5571.2C	1.7949	0.0303	0.0	1.04E-06	3.38E-05	2.45E-04	8.49E-04	1.94E-03
7	4	65	66	16486.06	1	5572.22	1.7946	C0E0.0	0.0	2.80E-06	9.716-05	7.31E-04	2.59E-03	6.02E-03
8	5	122		36197.86	1	5573.46	1.7942	E0E0.0	0.0	0.0	0.0	1.95E-07	4.58E-06	4-11E-05
7	4	54	55	13638.86	2	5573.52	1.7942	C0E0.0	0.0	4.01E-07	7.00E-06	3.49E-05	9.41E-05	1.80E-04
13	10	62	61	26770.90	i	5573.55	1.7942	E0E0.0	0.0	0.0	1.82E-06	6.02E-05	5.73E-04	2.69E-03
13	10	2	1	20252.43	1	5573 <b>.</b> 76	1.7941	0.0606	0.0	4.02E-08	3.44E-06	4.456-05	2.26E-04	6.81E-04
6	3	72	73	16272.68	1	5574.17	1.7940	0.0202	0.0	2.00E-06	6.57E-05	4.79E-04	1.67E-03	3.82E-03
6	3	62	63	13333.88	2	5574.27	1.7540	E0E0.0	0.0	3.17E-07	5.14E-06	2.456-05	6.42E-05	1.20E-04
e	5	45	46	12998.51	2	5574.50	1.7939	E0E0.0	0.0	4.27E-07	8.12E-06	4.27E-05	1.19E-04	2.33E-04
e	5	<b>57</b>	58	16659.74	1	5574.81	1.7938	C.0303	0.0	3.66E-06	1.32E-04	1.025-03	3.67E-03	8.65E-03
3	0	63	84	15630.32	2	5574.86	1.7936	E0E0.0	0.0	0.0	3.71E-07	1.65E-06	4.12E-06	7.45E-06
10	7	104	501	33024.89	1	5575.02	1.7937	E0E0.0	0.0	0.0	0.0	1.93E-06	3.35E-05	2.42E-04
12	9	08	79	29251.72	1	5575.20	1.7937	E0E0.0	0.0	0.0	3.71E-07	1.75E-05	2.11E-04	1.18E-03
1,2	9	15	16	18821.29	1	5575.54	1.7935	0.0591	0.0	8.14E-07	4.93E-05	5.20E-04	2.31E-03	6-296-03
4	1	85	86	16051.69	1	5575.64	1.7935	0.0303	0.0	4.84E-07	1.516-05	1.07E-04	3.63E-04	8.20E-04
10	7	39	40	17384.73	1	5575.75	1.7935	E0E0.0	0.0	3.52E-06	1.51E-04	1.306-03	5.01E-03	1.24E-02
11	9	53	92	31209.82	1	5576.32	1.7933	0.0303	0.0	0.0	8.99E-08	5.63E-06	8.19E-05	5.22E-04
Э	C	S 1	92	15997.85	1	5576.53	1.7932	E0E0.0	0.0	1.25E-07	3.85E-06	2.70E-05	9.145-05	2.05E-04
11	3	28	29	17954.60	1	5576.77	1.7932	0.0359	0.0	2.17E-06	1.07E-04	9.95E-04	4.06E-03	1.04E-02
13	10	61	60	26563.26	1	5576.82	1.7931	0.0303	0.0	0.0	2.05 <u></u> F-06	6.58E-05	6.13E-04	2.84E-03
13	10	3	2	20259.43	1	5576.95	1.7931	0.0609	0.0	6.06E-08	5.18E-06	6.72E-05	3.42E-04	1.03E-03
9		113		34479.86	1	5578.75	1.7925	0.0303	0.0	0.0	0.0	6.64E-07	1.32E-05	1.06E-04
5	2	69	70	13000.15	2	5579.08	1.7924	0.0303	0.0	2.22E-07	3.336~06	1.52E-05	3.84E-05	7.03E-05
4	1	76	77	12833.86	2	5579.26	1.7924	0.0303	0.0	1.05E-07	1.51E-06	6.69E-06	1.67E-05	3.025-05
9	6	48	49	16879.89	1	5579.45	1.7923	0.0303	0.0	4.21E-06	1.60E-04	1.28E-03	4.70E-03	1.126-02
13	10	€0	59	26358.85	1	5579.98	1.7921	E0E0.0	0.0	0.0	2.30E-06	7.17E-05	6.56E-04	3.00E-03

VU	٧L	υL	JL	LOWER STATE	CODE	WAVE RESMUN	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSCRI CP*GI		EFFICIENT **	*****
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
13	10	4	3	20269.91	1	5580.02	1.7921	1130.0	0.0	8.08E-08	6.94E-06	9.00E-05	4.59E-04	1.38E-03
12	9	75	78	28984.96	1	5580.51	1.792C	E0E0.0	0.0	0.0	4.39E-07	2.00E-05	2.35E-04	1.28E-03
12	9	14	15	16764.90	1	5580.62	1.7919	0.0597	0.0	8.126-07	4.86E-05	5.00E-04	2.24E-03	6.09E-03
7	4	63	54	13447.62	2	5582.16	1.7914	C.0303	0.0	4.77E-07	7.96E~0€	3.86E-05	1.02E-04	1.93E-04
e	5	44	45	13839.13	2	5562.28	1.7914	EOEO.0	0.0	4.90E-C7	8.98E-06	4.61E-05	1.27E-04	2.45E-04
7	4	64	65	16248.61	1	5582.42	1.7913	0.0303	0.0	3.48E-06	1.14E-04	8.29E-04	2.876-03	6.57E-03
5	2	7€	79	15943.20	1	5582.79	1.7912	E0E0.0	0.0	1.366-06	4.13E-05	2.88E-04	9.69E-04	2.17E-03
13	1 C	5	4	20283.89	1	5582.99	1.7512	0.0614	0.0	1.01E-07	8.68E-06	1 • I 3E 04	5.76E-04	1.74E-03
13	10	59	58	26157.68	1	5583.02	1.7911	E0E0.0	0.0	0.0	2.59E-06	7.85E-05	7.04E-04	3.18E-03
10	7	E01	102	32681.01	Ł	5583.09	1.7911	0.0303	0.0	0.0	0.0	2.31E-06	3.87E-05	2.73E-04
11	e	52	9 I	30801.00	1	5583.12	1.7911	C.0203	C.C	0.0	1.09E-07	6.54E-06	9.25E-05	5.78E-04
11	e	27	28	17851.80	1	5583.21	1.7911	0.0379	0.0	2.346-06	1.12E-04	1.03E-03	4.16E-03	1.06E-02
10	7	3 8	39	17242.29	1	5583.32	1.7910	E0E0.0	0.0	3.97E-06	1.65E-04	1.38E-03	5.27E-03	1.296-02
e	5	121	120	35797.48	1	5583.64	1.7909	E0E0.0	0.0	0.0	0.0	2.39E-07	5.41E-06	4.72E-05
6	3	61	62	13114.11	2	5583.66	1.7909	5050•Ó	0.0	3.87E-07	5.96E-06	2.7SE-05	7.06E-05	1.30E-04
8	5	56	57	16451.68	1	5584.21	1.7908	0.0303	0.0	4.42E-06	1.52E-04	1.14E-03	4.02E-03	9.33E-03
6	Э	71	72	16009.24	1	5585.07	1.7905	E0E0.0	0.0	2.55E-06	7.87E-05	5.53E-04	1.87E-03	4.225-03
12	9	13	14	18712.02	1	5585.6C	1.7903	0.0604	0.0	8.04E-07	4.75E-05	4.93E-04	2.16E-03	5.866-03
12	9	78	· 77	26721.29	1	5585.7C	1.7903	0.0303	0.0	0.0	5.18E-07	2.27E-05	<2.60E-04	1.40E-03
13	10	6	5	20301.37	1	5585.86	1.7902	0.0617	0.0	1.20E-07	1.C4E-05	1.35E-04	6.93E-04	2.09E-03
13	10	56	57	25959.75	1	5585.95	1.7902	E050.0	0.0	0.0	2.91E-06	8.57E-05	7.55E-04	3.36E-03
3	0	82	83	12540.93	2	5586.20	1.7901	0.0303	0.0	0.0	4.57E-07	1.95E-06	4.72E-06	8.37E-06
4	1	84	85	15739.73	1	5587.83	1.7896	E0E0.0	0.0	6.49E-07	1.88E-05	1.27E-04	4.20E-04	9.27E-04
9	6	112	111	34107.37	1	5587.87	1.7896	E0E0.0	0.0	0.0	0.0	8.07E-07	1.556-05	1.21E-04
ģ	6	47	48	16704.66	1	5587.94	1.7896	0.0303	0.0	4.92E-06	1.79E-04	1.39E-03	5.05E-03	1.19E-02
13	10	7	6	20322.34	1	5588.62	1.7894	0.0620	0.0	1.39E-07	1.21E-05	1.58E-04	8.09E-04	2.45E-03
13	10	57	56	25765.06	1	5588.77	1.7893	0.0303	0.0	0.0	3.26E-06	9.34E-05	8.07E-04	3.54E-03
5	2	68	69	12755.13	2	5589.13	1.7892	0.0303	0.0	2.79E-C7	3.94E-06	1.73E-05	4.285-05	7.70E-05
3	ō	50	91	15663.33	1	5589.30	1.7891	EOEO.O	0.0	1.716-07	4.855-06	3.246-05	1.06E-04	2.34E-04
11	ě	26	27	17752.52	ī	5589.55	1.7891	0.0398	0.0	2.51E-C6	1.18E-04	1.06E-03	4.25E-03	1.08E-02
11	8	91	90	30595.13	1	5589.79	1.7890	0.0303	0.0	0.0	1.33E-07	7.60E-06	1.04E-04	6.38E-04
4	1	75	76	12563.62	2	5589.96	1.7889	0.0303	C.O	1.35E-07	1.82E-06	7.76E-06	1.89E-05	3.35E-05
8	5	43	44	13683.11	2	5569.97	1.7889	0.0303	0.0	5.61E-07	9.90E-06	4.97E-05	1.34E-04	2.58E-04
12	9	12	13	18662.66	1	5590.48	1.7888	0.0610	0.0	7.90E-07	4.61E-05	4.75E-04	2.07E-03	5.60E-03
7	4	52	53	13259.72	2	5590.70	1.7887	0.0303	0.0	5.66E-07	9.01E-06	4.26E-05	1.115-04	2.06E-04
12	9	77	76	28460.70	1	5590.77	1.7887	0.0303	C.C	0.0	6.10E-07	2.57E-05	2.88E-04	1.52E-03
10	7		3E	17103.34	1	5590.79	1.7887	0.0303	0.0	4.44E-06	1.78E-04	1.476-03	5.53E-03	1.34E-02
10	7	_		32339.95	1	5591.04	1.7886	E0E0.0	0.0	0.0	0:0	2.74E-06	4.455-05	3.07E-04
13	10	8	7	20346.80	1		1.7885	0.0623		1.57E-07	1.37E-05	1.80E-04	9.24E-04	2.80E-03
						5591.27			0.0	0.0	3.65E-06	1.02E-04	8.61E-04	3.73E-03
13	10	56	55	25573.64	1	5591.47	1.7884	E0E0.0 E0E0.0	0.0	4.31E-06	1.33E-04	9.38E-04	3.18E-03	7.16E-03
7	4	63	64	16014.55	1	5552.53	1.7881		0.0				7.74E-05	1.41E-04
6	3	60	61	12897.64	2	5592.96	1.7880	0.0303	0.0	4.71E-07	6.88E-06	3.08E-05		
8	5	55	56	16247.05	1	5593.51	1.7676	E0E0.0	0.0	5.336-06	1.74E-04	1.27E-03	4.40E-03 6.37E-06	1.01E-02 5.41E-05
8	5	120	119	35359.70	1	5593.7C	1.7877	E050.0	0.0	0.0	0.0	2.936-07		
13	10	9	8	20374.75	1	5593.82	1.7877	0.0624	0.0	1.73E-07	1.53E-05	2.01E-04	1.04E-03	3.14E-03
13	10	55	54	25365.48	1	5594.06	1.7676	0.0303	0.0	0.0	4.06E-06	1.10E-04	9.17E-04	3.92E-03
5	2	77	78	15657.13	1	5594.29	1.7875	0.0303	0.0	1.78E-06	5.C4E-05	3.37F-04	1.10E-03	2.43E-03
12	9	11	12	16616.82	1	5595.25	1.7872	0.0617	0.0	7.68E~07	4.43E-05	4.54E-04	1.976-03	5.31E-03
12	9	76	75	28203.20	1	5595.73	1.7871	0.0303	0.0	0.0	7.17E-07	2.91E-05	3.18E-04	1.65E-03
11	8	25	26	17656.73	1	5595.78	1.7871	0.0418	0.0	2.67E-06	1.225-04	1.09E-03	4.33E-03	1.09E-02
6	3	76	71	15749.16	1	5595.87	1.7870	0.0303	0.0	3.24E-06	9.41E-05	6.37E-04	2.11E-03	4.65E-03
13	10	10	9	20406.19	1	5596.26	1.7869	0.0624	0.0	1.89E-07	1.68E-05	2.22E-04	1.156-03	3.48E-03
9	É	46	47	16532.89	ı	5596.33	1.7865	E0E0.0	0.0	5.726-06	2.00E-04	1.526-03	5.41E-03	1.26E-02

٧٧	۷Ļ	JU	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR CM*G		EFFICIENT *	*****
				ENERGY		CM-1	PICREN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
11	ε	90	89											
13	10		53	30292.22	_	5596.35	1.7869	E0E0.0	0.0	0.0	1.60E-07	8.80E-06	1.17E-04	7.03E-04
9	- 6			25200.61 33737.59	_	5596.54	1.7868	E0E0.0	0.0	0 • 0	4.51E-06	1.19E-04	9.75E-04	4.12E-03
3	0	13	82	12248.70	-	5596.87	1.7867	0.0303	0.0	0.0	0.0	9.78E-07	1.826-05	1.38E-04
8	5	42	43			5597.45	1.7865	0.0303	C.O	4.48E-08	5.615-07	2.29E-06	5.40E-06	9.38E-06
10	7		37	13530.48		5597.57	1.7865	E0E0.0	0.0	6.39E-07	1.09E-05	5.34E-05	1.42E-04	2.70E-04
13	10	11	10			5598.16	1.7863	0.0308	0.0	4.96E-06	1.93E-04	1.56E-03	5.78E-03	1.396-02
10		101		20441.12	_	5598.60	1.7862	0.0625	0.0	2.03E-07	1.82E-05	2.41F-04	1.25E-03	3.82E-03
13	10	53	52	32001.73		5598,87	1.7861	E0E0.0	0.0	0.0	4.64E-08	3.25E-06	5.11E-05	3-44E-04
5	2	67	-	25015.01	1	5598.91	1.7861	C.0303	0.0	0.0	5.00E-06	1.29E-04	1.036-03	4.316-03
7			68	12513.40	2	5599.08	1.78£C	C.0303	0.0	3.48E-07	4.64E-06	1.975-05	4.77E-05	8.436-05
4	4	51 83	52	13075.18	2	5599.16	1.7860	E0E0.0	0.0	6.68E-07	1.02E-05	4.68E-05	1.20E-04	2.20E-04
	1		84	15431.03	1	5599.92	1.7857	E050.0	0.0	8.68E-07	2.33E-05	1.51E-04	4.84E-04	1.056-03
12	9	10	11	18574.50	1	5599.92	1.7657	0.0625	0.0	7.39E-07	4-23E-05	4.30E-04	1.865-03	5.00E-03
. 4	1	74	75	12296.62		5600.57	1.7855	E0E0.0	0.0	1.736-07	2.18E-06	8.98E~06	2.13E-05	3.71E-05
12	9	75	74	27948.82	-	5600.57	1.7855	E0E0.0	0.0	0.0	8.40E-07	3.29E-05	3.50E-04	1.79E-03
13	10	12	11	20479.54	1	5600.83	1.7854	0.0617	0.0	2.16E-07	1.95E-05	2.60E-04	1.356-03	4.14E-03
13	10	52	51	24840.71	1	5601.16	1.7853	0.0303	0.0	0.0	5.52E-06	1.38E-04	1.09E-03	4.51E-03
11	e	24	25	17564.47	1	5601.92	1.7851	0.0437	0.0	2.83E-06	1.27E-04	1.12E-03	4.40E-03	1.10E-02
3	0	89	90	15332.04	1	5601.98	1.7851	0.0303	0.0	2.32E-07	6-10E-06	3.89E-05	1-24E-04	2.66E-04
6	3	59	60	12684.50	2	5602.17	1.7E50	E050.0	0.0	5.71E-07	7.93E-06	3.45E-05	8.48E-05	1.52E-04
7	4	62	63	15763.89	1	5602.54	1.7849	E050.0	0.0	5.326-06	1.56E-C4	1.06E-03	3.52E-03	7.79E-03
8	5	54	55	16045.84	1	5602.72	1.7648	E0E0.0	0.0	6.40E-06	2.00E-04	1.41E-03	4.80E-03	1.08E-02
11	8	2.5	88	29992.29	1	5602.79	1.7848	E050.0	0.0	0.0	1.95E-07	1.02E-05	1.336-04	7.79E-04
13	10	13	12	20521.44	1	5602.95	1.7848	0.0610	0.0	2.278-07	2.07E-05	2.78F-04	1.45E-03	4.45E-03
13	10	51	50	24665.70	1	5603.30	1.7847	E0E0.0	0.0	0.0	6.09E-06	1.49E-04	1.165-03	4.71E-03
8	5	119	_	35004.53	1	5603.63	1.7846	0.0303	0.0	0.0	0.0	3.61E-07	7.56E-06	6.25E-05
12	S	9	10	16535.70	1	5604.50	1.7843	0.0624	0.0	7.036-07	3.98E-05	4.03E-04	1.74E-03	4.65E-03
9	ć	45	46	16364.60	1	5604.63	1.7842	E0E0.0	G • O	6.626-06	2.23E-04	1.65E-03	5.78E-03	1.336-02
13	10	14	13	E0.9930S	1	5604.97	1.7841	0.0604	0.0	2.36E-07	2.18E-05	2.95E-04	1.556-03	4.756-03
8	5	41	42	13381.23	2	5605.07	1.7841	E0E0.0	0.0	7.26E-07	1.196-05	5.73E-05	1.51E-04	2.836-04
12	9	74	73	27697.55	1	5605.29	1.7840	E050.0	0.0	0.0	9.81E-07	3.716-05	3.85E-04	1.93E-03
13	10	50	49	24494.01	1	5605.33	1.784C	0.0303	0.0	0.0	6.68E-06	1.59E-04	1.225-03	4.90E-03
10	7	35	36	16635.92	ı	5605.44	1.7840	0.0312	0.0	5.518-06	2.08E-04	1.64E-03	6.03E-03	1.44E-02
5	2	76	77	15374.38	1	5605.69	1.7839	0.0303	0.0	2.31E-06	6.14E-05	3.945-04	1.26E-03	2.71E-03
9	6		109	33370.55	1	5605.74	1.7839	C-0303	0.0	0.0	0.0	1.18E-06	2.12E-05	1.57E-04
10	7	100	99	31666.36	1	5606.58	1.7836	0.0303	0.0	0.0	5.77E-08	3.86E-06	5.87E-05	3.86E-04
6	3	69	70	15452.44	1	5606.59	1.7836	E0E0.0	0.0	4.11E-06	1.12E-04	7.32E-04	2.36E-03	5.13E-03
13	10	15	14	20615.70	1	5606.87	1.7835	0.0597	0.0	2.44E-07	2.27E-05	3.10E-04	1.63E-03	5.04F-03
13	10	45	48	24325.62	ì	5607.25	1.7834	0.0303	0.0	0.0	7.32E-06	1.70E-04	1.28E-03	5.10E-03
7	4	Ş٥	51	12693,99	2	5607.52	1.7833	0.0303	0.0	7.855-07	1.15E-05	5.14E-05	1.29E-04	2.34E-04
11	e	23	24	17475.72	1	5607.96	1.7832	0.0457	0.0	2.99E-06	1.31E-04	1.14E-03	4.45E-03	1.11E-02
3	O	ę٥	81	11959.70	2	5608.62	1.7830	0.0303	0.0	5.80E-08	6.86E-07	2.695-06	6.17E-06	1.05E-05
13	10	16	15	20668.05	1	5608.68	1.7830	0.0591	0.0	2.50E-07	2.36E-05	3.24E-04	1.72E-03	5.32E-03
5	2	66	67	12274.96	2	5608.95	1.7629	0.0303	G • O	4.34E-07	5.46E-06	2.24E-05	5.29E-05	9.21F-05
12	9	ε	9	18500.42	1	5608.96	1.7829	0.0624	0.0	6.60F-07	3.71E-05	3.735-04	1.61E-03	4.295-03
13	10	48	47	24160.56	1	5609.06	1.7828	C.0303	0.0	0.0	7.99E-06	1.82E-04	1.34E-03	5.29E-03
11	3	88	87	29695.34	1	5609.11	1.7828	E0E0.0	0.0	0.0	2.36E-07	1.19E-05	1.50E-04	8.62E-04
12	9	73	72	127449.42	1	5609.90	1.7826	0.0303	0.0	0.0	1.14E-06	4.17E-05	4.23E-04	2.096-03
13	10	17	16	20723.88	1	5610.37	1.7824	0.0585	0.0	2.54E-07	2.43E-05	3.36E~04	1.79E-03	
13	10	47	46	23958.83	1	5610.75	1.7823	E0E0.0	0.0	4.15E-08	8.70E-06	1.93E-04	1.415-03	5.57E-03 5.48E-03
4	1	73	74	12032.87	2	5611.09	1.7822	0.0303	0.0	2.21E-07	2.62E-06	1.93E-04	2.40E-05	
6	3	5€	59	12474.70	2	5611.30	1.7821	0.0303	0.0	6.93E-07	9.14E-06	3.86E-05	9.31E-05	4.10E-05
8	5	53	54	15848.09	1	5611.83	1.7819	0.0303	0.0	7.66E-06	2.28E-04	1.56E-03	5.22E-03	1.64E-04 1.16E-02
										. 1000	-+		~ * ~ E C - V J	14105-05

# MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CAREON MONOXIDE

٧U	٧L	JU	JĻ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRATI	ED ** ABSDRI		EFFICIENT *	******
				ENERGY		CM-1	MICRON	Н5	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4	1	82	83	15125.61	1	5611.91	1.7819	0.0303	0.0	1,165-06	2.89E-05	1.79E-04	5.57E-04	1.18E-03
13	10	16	17	20783.18	1	5611.96	1.7819	0.0568	0.0	2.56E-07	2.49E-05	3.47E-04	1.86E-03	5.81E-03
13	10	46	45	23840.43	1	5612.33	1.7818	E050.0	0.0	4.67E-08	9.45E-06	2.05E-04	1.47E-03	5.67E-03
7	4	61	62	15556.63	1	5612.46	1.7818	E0E0.0	0.0	6.54E-06	1.81E-04	1.19E-03	3.886-03	8.46E-03
8	5	40	41	13235.37	2	5612.48	1.7817	0.0303	0.0	8.21E-07	1.30E-05	6.12E-05	1.59E-04	2.95E-04
10	7	34	36	16707.46	1	5612.61	1.7817	0.0317	0.0	6.10E-06	2.23E-04	1.73E-03	6.28E-03	1.48E-02
9	6	44	45	16199.77	1	5612.83	1.7816	0.0303	0.0	7.65E-06	2.47E-04	1.79E-03 3.40E-04	6.17E-03 1.46E-03	1.41E-02 3.89E-03
12	9	7	8 18	18468.66	1	5613.33	1.7815	0.0623 0.0552	0.0	6.10E-07 2.57E-07	3.40E-05 2.53E-05	3.57E-04	1.48E-03	6.04E-03
12	10	19 116		20845.96 34611.99	1	5613.44 5613.45	1.7814 1.7814	C.0303	0.0	0.0	0.0	4.445-07	8.96E-06	7.21E-05
13	10	45	44	23665.38	1	5613.81	1.7613	C.0303	0.0	5.256-08	1.02E-05	2.17E-04	1.53E-03	5.85E-03
11	e	22	23	17390.49	î	5613.89	1.7813	0.0476	0.0	3.14E-06	1.35E-04	1.16E-03	4.48E-03	1.11E-02
7		126		36062.28	î	5614.07	1.7812	0.0303	0.0	0.0	0.0	1.445-07	3.33E-06	2.96E-05
10	7	55	96	31333.86	i	5614.17	1.7812	0.0303	0.0	0.0	7.15E-08	4.56E-06	6.725-05	4.32E-04
12	Ś	72	71	27204.43	1	5614.4C	1.7811	E05040	0.0	0.0	1.33E-06	4.68E-05	4.64E-04	2.25E-03
9	6	105	108	33006.25	1	5614.50	1.7811	C.0303	0.0	0.0	0.0	1.43E-06	2.47E-05	1.78E-04
3	Ö	89	89	15003.98	1	5614.56	1.7811	0.0303	0.0	3.17E-07	7.695-06	4.68E-05	1.44E-04	3.03E-04
13	10	20	15	20912.20	1	5614.82	1.7610	0.0535	0.0	2.56E-07	2.576-05	3.65E-04	1.98E-03	6.24E-03
13	10	44	43	23533.68	1	5615.17	1.7809	E0E0.0	0.0	5.87E-08	1.10E-05	2.29E-04	1.605-03	6.02E-03
11	8	ε7	86	29401.38	1	5615.32	1.7808	0.0303	0.0	0.0	2.86E-07	1.38E-05	1.69E-04	9.536-04
7	4	49	50	12716.17	, 2	5615.79	1.7807	E0E0.0	0.0	9.21E-07	1.296-05	5.63E-05	1.39E-04	2.49E-04
13	10	21	20	20981.92	1	5616.08	1.7806	0.0515	0.0	2.54E-07	2.598-05	3.72E-04	2.03E-03	6.43E-03
13	10	43	42	23365.33	1	5616.42	1.7805	0.0303	0.0	6.55E-08	1.19E-05	2.415-04	1.66E-03	6.19E-03
5	2	75	76	15094.96	1	5617.00	1.7803	0.0303	0.0	3.00E-06	7.45E-05	4.595-04	1.43E-03	3.01E-03
E	3	68	69	15239.10	1	5617,20	1.7802	E0E0.0	0.0	5.19E-06	1.33E-04	8.39E-04	2.64E-03	5.64E-03
13	10	22	21	21055.10	1	5617.24	1.7802	0.0496	0.0	2.50E-07	2.59E-05	3.77E-04	2.07E-03	6.59E-03
13	10	42	41	23240.34	Ţ	5617.55	1.7801	0.0303	0.0	7.27E-08	1.27E-05	2.53E-04	1.72E-03	6.34E-03
12	9	6	7	18440.43	1	5617.58	1.7801	0.0620	0.0	5.52E-07	3.06E-05	3.05E-04	1.315-03	3.47E-03
13	10	ES	22	21131.74	1	5618.29	1.7799	0.0476	0.0	2.455-07	2.59E-05	3.80E-04	2.116-03	6.74E-03
13	10	41	40	23098.72	1	5618.58	1.7798	0.0303	0.0	8.04E-08	1.36E-05	2.65E-04	1.77E-03 5.87E-05	6.49E-03
5	2	65 71	66 70	12039.83	2	5618.74	1.7798 1.7797	0.0303 E0E0.0	0.0 0.0	5.38E-07 0.0	6.40E-06 1.54E-06	2.54E-05 5.24E-05	5.08E-04	1.01E-04 2.42E-03
12	10	24	23	21211.84	1	5618.78 5619.23	1.7796	0.0303	0.0	2.39E-07	2.57E-05	3.82E-04	2.135-03	6.86E-03
13	10	40	39	22960.48	1	5619.50	1.7795	0.0303	0.0	8.85E-08	1.45E-05	2.77E-04	1.83E-03	6.63E-03
10	7	23	34	16582.50	î	5619.68	1.7795	0.0321	0.0	6.73E-06	2.38E-04	1.825-03	6.52E-03	1.53E-02
3	ć	79	80	11673.92	2	5619.70	1.7795	0.0303	0.0	7.68E-08	8.37E-07	3.15E-06	7.03E-06	1.186-05
11	ε	21	22	17308.79	ī	5619.72	1.7794	0.0496	0.0	3.28€-06	1.38E-04	1.178-03	4.50E-03	1.116-02
ē	5	39	40	13092.91	2	5619.81	1.7794	0.0303	0.0	9.258-07	1.42E-05	6.536-05	1.67E-04	3.08E-04
13	10	25	24	21295.39	1	5620.07	1.7793	0.0437	0.0	2.325-07	2.54E-05	3.83E-04	2.156-03	6.97E-03
13	10	39	38	22825.61	1	5620.30	1.7793	C.0303	0.0	9.71E-08	1.546-05	2.88E-04	1.88E-03	6.75E-03
6	3	57	58	12268.22	2	5620.33	1.7793	0.0303	0.0	8.37E-07	1.05E-05	4.31E-05	1.02E-04	1.77E-04
13	10	26	25	21382.39	1	5620.79	1.7791	0.0418	0.0	2.246-07	2.51E-05	3.82E-04	2.17E-03	7.05E-03
ε	5	52	53	15653.78	1	5620.84	1.7791	E0E0.0	0.0	9.13E-06	2.59E-04	1.73E-03	5.675-03	1.25E-02
9	6	43	44	16038.43	1	5620.93	1.7791	0.0303	0.0	8.796-06	2.73E-04	1.93E-03	6.56E-03	1.48E-02
13	10	3 E	37	22654.13	1	5621.00	1.7790	E0E0.0	0.0	1.06E-07	1.63E-05	3.00E-04	1.93E-03	6.86E-03
13	10	27	26	21472.84	1	5621.41	1,7789	0.0398	0.0	2 • 1 5 2 - 0 7	2.46E-05	3.80E-04	2.17E-03	7.12E-03
11	٤	€6	85	29110.45	1	5621.41	1.7789	0.0303	0.0	0.0	3.45E-07	1.60E-05	1.90E-04	1.05E-03
4	1	72	73	11772.40	2	5621.53	1.7789	0.0303	0.0	2.81E-07	3.13E-06	1.20E-05	2.706-05	4.53E-05
13	10	37	36	22566.05	1	5621.59	1.7789	0.0308	0.0	1.15E-07	1.72E-05	3.10E-04	1.97E-03	6.96E-03
10	7	98	97	31004.25	1	5621.64	1.7788	E0E0.0	0.0	0.0	8.85E-08	5.38E-06	7.685-05	4.83E-04
12	9	5	6	18415.73	1	5621.74	1.7788	0.0617	0.0	4.89E-07	2.69E-05	2.67E-04	1.14E-03	3.03E-03
13	10	28	27	21566.74	1,	5621.92	1.7788	0.0379	0.0	2.05E-07	2.41E-05	3.76E-04 3.21E-04	2.17E-03 2.01E-03	7.16E-03 7.05E+03
13	10	36	35	22441.36	1	5622.06	1.7787	0.0312	0.0	1.25E-07	1.81E-05	3.2.6-04	CU-210+2	7.0000-03

#### MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE, LENGTH	HALF WIOTH			ED ** ABSORE CM*G/	V-1	EFFICIENT *:	*****
				ENERGY		Ç₩ <b>-</b> 1	MICRCN	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7	4	60	61	15332.79		5622.28	1.7786	0.0303	0.0	8.02E-06	2.11E-04	1.34E-03	4.27E-03	9.17E-03
13	10	29	28	21664.07	1	5622.32	1.7786	0.0359	0.0	1.95E-07	2.34E-05	3.72E-04	2.176-03	7.19E-03
13	10	35	34	22320.07	1	5622.43	1.7786	0.0317	0.0	1.35E-07	1.89E-05	3.30E-04	2.056-03	7.11E-03
13	10	30	29	21764.84	1	5622.61	1.7785	0.0340	0.0	1.85E-07	2.27E-05	3.66E-04	2.15E-03	7.19E-03
13	10	34	33	22202.19	i	5622.68	1.7785	0.0321	0.0	1.45E-07	1.985-05	3.39E-04	2.085-03	7.17E-03
13	10	31	30	21869.04	1	5622.79	1.7785	0.0335	0.0	1.75E-07	2.21E-05	3.€1E-04	2.14E-03	7.21E-03
13	10	33	32	22067.72	1	5622.83	1.7785	0.0326	0.0	1.55E-07	2.C6E-05	3.47E-04	2.11E-03	7.20E-03
13	10	32	31	21976.67	_	5622.87	1.7785	0.0331	0.0	1.65E-07	2.14E-05	3.54E-04	2.13E-03	7.22E-03
12	S	70	69	26723.91	1	5623.04	1.7784	0.0303	0.0	0.0	1.78E-06	5.85E-05	5.54E-04	2.60E-03
9	6	108	-	32644.72	1	5623.13	1.7784	0.0303	0.0	0.0	0.0	1.72E-06	2.886-05	2.03E-04
a		117	116	34222.09	1	5623.14	1.7784	0.0303	0.0	0.0	0.0	5.45E-07	1,06E-05	6.31E-05
4	1	€ 1	82	14823.48	ì	5623.82	1.7782	E0E0.0	0.0	1.54E-06	3.57E-05	2.12E-04	6.41E-04	i.33E-03
7	4	48	49	12541.73	2	5623.98	1.7781	£0E0.0	0.0	1.07E-06	1.44E-05	6.15E-05	1.49E-04	2.65E-04
7	4		124	35647.34	1	5624.71	1.7779	0.0303	0.0	0.0	0.0	1.78E-07	3.96E-06	3.436-05
11	8	20	21	17230.61	1	5625.45	1.7776	0.0515	0.0	3.40E-06	1.41E-04	1.18E-03	4.50E-03	1.10E-02
1,2	S	4	Ş	16394.55	1	5625.79	1.7775	0.0614	0.0	4.19E-07	2.296-05	2.27E-04	9.69E-04	2.57E-03
10	7	32	33	16461.06	1	5626.66	1.7773	0.0326	0.0	7.386-06	2.54E-04	1.91E-03	6.75E-03	ì.57E-02
8	5	36	39	12953.04	2	5627.03	1.7771	0.0303	0.0	1.04E-06	1.54E-05	6.95E-05	1.76E-04	3.20E-04
3	O	87	88	14679.17	1	5627.06	1.7771	0.0303	0.0	4.300-07	9.675-06	5.62E-05	1.68E-04	3.44E-04
12	9	69	68	26468.41	1	5627.20	1.7771	E0E0.0	0.0	0.0	2.05E-06	6.52E-05	6.04E-04	2.79E-03
11	8	85	84	28822.53	1	5627.38	1.7770	0.0303	0.0	0.0	4.15E-07	1.85E-05	2.14E-04	1.16E-03
٤	3	67	68	14989.13	1	5627.72	1.7769	E0E0.0	0.0	6.53E-06	1.58E-04	9.60E-04	2.95E-03	6.19E-03
5	2	74	75	14818.89	1	5628.22	1.7768	E0E0.0	0.0	3.886-06	9.01E-05	5.34E-04	1.62E-03	3.356-03
٤	2	64	65	11808.00	2	5628.43	1.7767	0.0303	0.0	6.65E-07	7.49E-06	2.87E-05	6.49E-05	1.10E-04
9	6	42	43	15880.58	1	5628.93	1.7765	E0E0.0	0.0	1.01E-05	3.02E-04	2.08E-03	6.975-03	1.56E-02
10	7	97	96	30677.52	1	5629.00	1.7765	0.0303	0.0	0.0	1.09E-07	6.33E-06	8.77E-05	5.39E-04
6	3	56	57	12065.10	2	5629.27	1.7764	E0E0.0	0.0	1.01E-06	1.21E-05	4.80E~05	1.11E-04	1.91E-04
12	S	3	4	18376.90	1	5629.74	1.7763	0.0611	0.0	3.43E-07	1.87E-05	1.85E-04	7.88E-04	2.09E-03
8	5	51	52	15462.93	1	5629.76	1.7763	0.0303	0.0	1.08E-05	2.94E-04	1.91E-03	6.15E-03	1.33E-02
3	o	78	79	11391.37	2	5630.70	1.7760	0.0303	0.0	1.00E-07	1.02E-06	3.68E-06	8.COE-06	1.31E-05
1 1	£	19	20	17155.96	1	5631.08	1.7759	0.0535	0.0	3.51E-06	1.43E-04	1.196-03	4.49E-03	1.09E-02
12	9	68	67	26256.09	1	5631.23	1.7758	E0E0.0	0.0	0.01	2.36E-06	7.25E-05	6.57E-04	2.99E-03
9	E	107	106	32265.97	1	5631.65	1.7757	0.0303	0.0	0.0	0.0	2.07E-06	3.35E-05	2.30E-04
4	1	71	72	11515.21	2	5631.87	1.7756	0.0303	0.0	3.57E-07	3.74E-06	1.38E-05	3.03E-05	5.00E-05
7	4	59	60	15112.37	1	5632.00	1.7756	E0E0.0	C.O	9.786-06	2.44E-04	1.516-03	4.69E-03	9.93E-03
7	4	47	48	12370.66	2	5632.07	1.7755	E0E0.0	0.0	1.256-06	1.61E-05	6.70E-05	1.60E-04	2.805-04
8	5		115	33634.87	1	5632.71	1.7753	E0E0.0	0.0	0.0	0.0	6.69E-07	1.255-05	9.57E-05
11	e	84	83	26537.65	1	5633.23	1.7752	0.0303	0.0	0.0	4.99E-07	2.13E-05	2.40E-04	1.27E-03
10	7	31	32	16343.14	1	5633.53	1.7751	1650.0	0.0	8.07E-06	2.70E-04	1.99E-03		
12	ġ	2	3	18362.78	ī	5633.58	1.7751	0.0609	0.0	2.63E-07			6.986-03	1.616-02
e	5	37	3E	12818.19	2	5634.17	1.7749	0.0303	0.0	1.16E-06	1.43E-05 1.66E-05	1.415-04	5.99E-04	1.59E-03
12	9	67	66	26026.96	ī	5635.15	1.7746	0.0303	0.0	0.0	2.71E-06	7.37E~05	1.84E-C4	3.32E-04
7	_	124	123	35234.96	1	5635.22	1.7746	0.0303	0.0			8.05E-05	7.13E-04	3.19E-03
4	1	80	81	14524.67	1	5635.63	1.7744	0.0303		0.0	0.0	2.20E-07	4.71E-06	3.96E-05
10	7	96	95	30353.71	1	5636.23	1.7742	0.0303	0.0	2.03E-06	4.40E-05	2.50E-04	7.356-04	1.49E-03
11	ė	18	19	17084.85	1				0.0	0.0	1.34E-07	7.44E-06	9.995-05	6.01E-04
9	é	41	42	15726.23	1	5636.61\ 5636.83	1.7741	0.0552	0.0	3.60E-06	1.44E-04	1.186-03	4.45E-03	1.08E-02
12	9	1	2	18352.19			1.7740	0.0303	0.0	1.15E-05	3.32E-04	2.24E-03	7.396-03	1.63E-02
5	2	63	64	11579.50	1	5637.32	1.7739	0.0606	0.0	1.796-07	9.68E-06	9.54E-05	4.05E-04	1.078-03
6	3	55	56		2	5638.03	1.7737	0.0303	0.0	8.20E-07	8.73E-06	3.24E-05	7.17E-05	1.19E-04
	3			11865.33	2	5638.12	1.7736	0.0303	0.0	1.21E-06	1.38E-05	5.34E-05	1.22E-04	2.06E-04
6	5	66	67	14742.56	1	5638.15	1.7736	0.0303	0.0	8.20E-06	1.87E-04	1.10E-03	3.29E-03	6.79E-03
8 12	9	50	51	15275.54	1	5638.58	1.7735	E0E0.0	0.0	1.28E-C5	3.33E-04	2.10E-03	6.65E-03	1.426-02
12	A	66	65	25801.04	ĭ	5638.96	1.7734	0.0303	0.0	0.0	3.10E-06	8.91E-05	7.736-04	3.40E-03

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# MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE

VÜ	٧L	UL	JL	LOWER STATE	CODE	WAVE NUMBER	WAVÉ LENGTH	HALF WIDTH	******	** INTEGRATE	ED ** ABSORF CM*GN		EFFICIENT *	******
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	ε	£З	82	28255.82	1	5638.97	1.7734	0.0303	0.0	0.0	5.97E-07	2.45E-05	2.69E-04	1.40E-03
11 5	2	73	74	14546.17	1	5639.35	1.7733	0.0303	0.0	5.00E-06	1.09E-04	6.20E-04	1.83E-03	3.72E-03
3	Č	86	87	14357.63	î	5639.46	1.7732	0.0303	0.0	5.83E-07	1.21E-05	6.73E-05	1.95E-04	3.91E-04
9	6	106	105	31930.02	ī	5640.05	1.7730	C.0303	0.0	0.0	0.0	2.496-06	3.89E-05	2.61E-04
7	4	46	47	12202.98	2	5640.07	1.7730	E056.0	0.0	1.45E-06	1.79E-05	7.28E-05	1.71E-04	2.96E-04
10	7	30	31	16228.73	1	5640.31	1.7730	0.0335	0.0	8.78€-0€	2.86E-04	2.08E-03	7.19E-03	1.64E-02
12	9	0	1	18345.12	1	5640.96	1.7727	0.0603	0.0	9.06E-08	4.90E-06	4.82E-05	2.05E-04	5.41E-04
8	5	36	37	12685.95	2	5641.21	1.7727	0.0308	0.0	1.29E-06	1.79E-05	7.80E-05	1.92E-04	3.44E-04
Э	0	77	78	11112.08	2	5641.61	1.7725	0.0303	0.0	1.30E-07	1.24E-06	4.30E-06	9.09E-06	1.46E-05
7	4	58	59	14895.39	1	5641.63	1.7725	E050.0	0.0	1.19E-05	2.83E-04	1.69E-03	5.16E-03	1.08E-02
11	6	17	18	17017.28	1	5642.04	1.7724	0.0568	0.0	3.68E-06	1.455-04	1.18E-03	4.39E-03	1.06E-02
4	1	70	71	11261.30	2	5642.13	1.7724	0.0303	0.0	4.51E-07	4.45E-06	1.58E-05	3.39E-05	5.51E-05
8	5	115	114	33450.32	1	5642.16	1.7724	C.0303	0.0	0.0	0.0	8.18E-07	1.48E-05	1.10E-04
12	9	65	64	25578.32	1	5642.65	1.7722	E0E0.0	0.0	0.0	3.53E-06	9.84E-05	8.36E-04	3.62E-03
10	7	95	94	30032.83	1	5643.35	1.7720	0.0303	0.0	0.0	1.65E-07	e.73E~06	1.14E-04	6.69E-04
11	8	23	81	27977.05	1	5644.59	1.7716	E0E0.0	0.0	0.0	7.14E-07	2.81E-05	3.00E-04	1.53E-03
9	6	40	41	15575.37	1	5644.64	1.7716	0.0303	0.0	1.30E-C5	3.63E-04	2.40E-03	7.81E-C3	1.71E-02
7	4	123	122	34825.16	1	5645.62	1.7713	0.0303	0.0	0.0	0.0	2.71E-07	5.598-06	4.57E-05
12	9	64	63	25358.84	1	5646.23	1.7711	E0E0.0	0.0	0.0	4.C2E-06	1.08E-04	9.02E-04	3.85E-03
6	3	54	55	11668.92	2	5646.88	1.7709	0.0303	0.0	1.45E-06	1.58E-05	5.92E-05	1.32E-04	2.21E-04
10	7	29	30	16117.86	1	5646.98	1.7709	0.0340	0.0	9.51E-06	3.02E-04	2.15E-03	7.38E-03	1.67E-02
e	ε	49	50	15091.63	1	5647.30	1.7708	E0E0.0	0.0	1.51E-05	3.75E-04	2.31E-03	7.18E-03	1.52E-02
4	1	79	80	14229.17	1	5647.35	1.7707	0.0303	0.0	2.68E-06	5.41E-05	2.94E-04	8.42E-04	1.68E-03
11	8	16	17	16953.25	1	5647.36	1.7707	0.0585	0.0	3.728-06	1.44E-04	1.16E-03	4.32E-03	1.04E-02
5	2	62	63	11354.33	2	5647.55	1.7707	0.0303		1.01E-06	1.02E-05	3.65E-05	7.91E-05	1.29E-04
12	9	1	0	16341.60	Ţ	5647.91	1.770€	0.0603	0.0	9.26E-08	5.01E-06	4.935-05	2.09E-04	5.526-04
7	4 5	45	46	12038.69 12557.12	2	5647.97	1.7705	0.0303 0.0312	0.0 0.0	1.67E-06 1.43E-06	1.99E-05 1.93E-05	7.89E~05 8.23E-05	1.83E-04 2.00E-04	3.13E-04 3.56E-04
8 9	6	35 105	36 104	31576.87	2	5648.16 5648.32	1.7705 1.7704	0.0302	0.0	0.0	4.52E-08	2.99E-06	4.51E-05	2.95E-04
6	3	65	66	14459.39	1	5648.48	1.7704	0.0303	0.0	1.025-05	2.20E-04	1.255-03	3.66E-03	7.43E-03
12	9	63	62	25142.58	1	5649.70	1.7700	0.0303	0.0	0.0	4.56E-06	1.19E-04	9.71E-04	4.09E-03
11	e	81	80	27701.36	i	5650.1C	1.7699	0.0303	0.0	0.0	8.51E-07	3.22E-05	3.35E-04	1.688-03
10	7	94	93	29714.89	1	5650.35	1.7698	0.0303	0.0	0.0	2.02E-07	1.026-05	1.296-04	7.43E-04
5	2	72	73	14276.81	î	5650.38	1.7698	0.0303	0.0	6.42E-06	1.31E-04	7.18E-04	2.06E-03	4.13E-03
7	4	57	58	14681.85	î	5651.16	1.7695	0.0303	0.0	1.456-05	3.27E-04	1.90E-03	5.67E-03	1.17E-02
12	ç	ž	1	18345.12	ī	5651.24	1.7695	0.0606	0.0	1.87E-07	1.01E-05	9.95E-05	4.22E-04	1-12E-03
е.	5	114	113	33068.48	1	5651.49	1.7694	0.0303	0.0	0.0	0.0	1.00E-06	1.74E-05	1.26E-04
3	ō	2.5	86	14039.36	1	5651.77	1.7694	E0E0.0	0.0	7.87E-07	1.525-05	8.04E-05	2.26E-04	4.44E-04
4	1	69	70	11010.69	2	5652.30	1.7692	0.0303	0.0	5.69E-07	5.29E-06	1.81E-05	3.79E-05	6.06E-05
9	6	39	40	15428.02	1	5652.34	1.7692	E020.0	0.0	1.48E-05	3.97E-04	2.57E-03	8.23E-03	1.78E-02
3	0	76	77	10836.05	2	5652.43	1.7691	0.0303	0.0	1.68E-07	1.50E-06	5.00E-06	1.03E-05	1.636-05
11	8	15	16	16892.75	1	5652.58	1.7691	0.0591	0.0	3.75E-C6	1.43E-04	1.14E-03	4.22E-03	1.01E-02
12	9	62	61	24929.57	1	5653.05	1.7690	0.0303	0.0	0.0	5.15E-06	1.31E-04	1.04E-03	4.33E-03
10	7	28	29	16010.51	1	5653.56	1.7688	0.0359	0.0	1.03E-05	3.18E-04	2.24E-03	7.59E-03	1.71E-02
12	9	3	2	18352.19	1	5654.45	1.7685	0.0609	0.0	2.81E-07	1.53E-05	1.50E-04	6.38E-04	1.69E-03
а	5	34	35	12431.72	2	5655.02	1.7683	0.0317	0.0	1.58E-06	2.07E-05	8.66E-05	2.08E-04	3.67E-04
11	ε	80	75	27428.76	1	5655.49	1.7682	E0E0.0	0.0	0.0	1.01E-06	3.68E-05	3.73E-04	1.84E-03
6	3	53	54	11475.88	2	5655.55	1.7682	0.0303	0.0	1.72E-06	1.79E-05	6.56E-05	1-44E-04	2.37E-04
7	4	44	45	11877.80	2	5655.79	1.7681	E0E0.0	0.0	1.92E-06	2.20E-05	8.54E-05	1.94E-04	3.30E-04
7	4	122	121	34417.95	1	5655.89	1.7681	E0E0.0	0.0	0.0	0.0	3.34E-07	6.62E-06	5.268-05
8	5	4 €	45	14911.20	1	5655.93	1.7681	0.0303	0.0	1.78E-05	4.22E-04	2.53E-03	7.73E-03	1.61E-02
12	9	61	60	24719.80	1	5656.28	1.7679	0.0303	0.0	0.0	5.81E-06	1.43E-04	1.12E-03	4.58E-03
9	6	104	103	21226.56	1	5656.48	1.7679	0.0303	0.0	0.0	5.69E-08	3.57E-06	5.22E-05	3.336-04

VU	۸ſ	JU	JŁ	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF Width	*******	** INTEGRATI	ED ** ABSORI		FFICIENT *:	*****
				ENERGY		CN-1	MICREN	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
5	2	61	62	11132.49	2	5656.97	1.7677	0.0303	0.0	1.23E-06	1.18E-05	4.10E-05	8.70E-05	1.40E-04
10	7	93	92	29399.89	1	5657.23	1.7677	E0E0.0	0.0	0.0	2.47E-07	1.19E-05	1.46€-04	8-245-04
12	9	4	3	18362.78	1	5657.56	1.7675	0.0611	0.0	3.76E~07	2.04E-05	2.01E-04	8.56E-04	2.27E-03
11	8	14	15	16635.81	1	5657.7C	1.7675	0.0597	0.0	3.74E-06	1.41E-04	1.126-03	4.10E-03	9.78E-03
6	3	64	65	14259.63	1	5658.72	1.7672	E0E0.0	0.0	1.28E-05	2.59E-04	1.42E-03	4.07E-03	8.12E-03
4	1	78	79	13937.00	1	5658.98	1.7671	C0E0.0	0.0	3.53E-06	6.63E-05	3.46E-04	9.62E-04	1.88E-03
12	9	60	5,9	24513.30	1	5659.41	1.7670	0.0303	0.0	0.0	6.54E-06	1.56E-04	1.20E-03	4.83E-03
9	6	36	39	15264.19	1	5659.95	1.7668	0.0303	0.0	1.66E-05	4.32E-04	2.74E-03	8.66E-03	1.86E-02
10	7	27	28	15906.70	1	5660.03	1.7668	0.0379	0.0	1.11E-05	3.34E-04	2.32E-03	7.78E-03	1.74E-02
12	9	5	4	18376.90	1	5660.57	1.7666	0.0614	0.0	4.68E-07	2.55E-05	2.53E-04	1.08E-03	2.85E-03
7	4	56	57	14471.76	1	5660.60	1.7666	0.0303	0.0	1.76E-05	3.77E-04	2.12E-03	6.22E-03	1.26E-02
8		113		32689.35	1	5660.69	1.7666	0.0303	0.0	0.0	0.0	1.22E-06	2.05E-05	1.455-04
11	8	75	78	27159.25		5660.76	1.7665	E0E0.0	0.0	0.0	1.20E-06	4.20E-05	4.15E-04	2.00E-03
5	2	71	72	14010.82	Ţ	5661.31	1.7664	E0E0.0	0.0	8.22E-06	1.57E-04	8.30E-04	2.32E-03	4.57E-03
8	5	33	34	12309.75		5661.79	1.7662	0.0321	0.0	1.74E-06	2.21E-05	9.09E-05	2.16E-04	3.77E-04
4	1	68	69	10763.38		5662.39	1.7660	0.0303	0.0	7.15E-07	6.26E-06	2.07E-05	4.23E-05	6.65E-05
12	9	55	58	24310.07		5662.42	1.7660	E0E0.0	0.0	0.0	7.37E-06	1.71E-04	1.29E-03	5 • 1 2E-03
11	8	13	14	16782.41	1	5662.72	1.7659	0.0604	0.0	3.71E-06	1.38E-04	E0-360.1	3.96E~03	9.415-03
. 3	0	75	76	10563.28	2	5663.16	1.7658	0.0303	0.0	2.17E-07	1.818-06	5.81E-06	1.17E-05	1.81E-05
12	9	6	. 5	18394.55	1	5663.47	1.7657	0.0617	0.0	5.59E-07	3.C6E-05	3.03E-04	1.296-03	E0-3E4.E
7 3	4	43	44	11720.32		5663.51	1.7657	E0E0.0	0.0	2.21E-06	2.43E-05	9.21E-05	2.07E-04	3.47E-04
	-	84	85	13724.39	1	5663.99	1.7655	0.0303	0.0	1.066-06	1.89E-05	9.59E-05	2.61E-04	5.03E-04
10 6	7	92 52	91 53	25087.87	1	5663.99	1.7655	E0E0.0	0.0	0.0	3.01E-07	1.39E-05	1.65E-04	9.12E-04
8	5	47	48	11286.22	2	5664.13	1.7655	0.0303	0.0	2.05E-06	2.03E-05	7.24E-05	1.56E-04	2.54E-04
9		103		14734.27	1	5664.45	1.7654	. E050.0	0.0	2.08E-05	4.73E-04	2.77E-03	8.31E-03	1.71E-02
12	S	58	57	30110	1	5664.52	1.7654	E0E0.0	0.0	0.0	7.14E-08	4.27E-06	6.03E-05	3.76E-04
11	8	78	77	24110.11 26892.85	1	5665.32	1.7651	. EDEO.O	0.0	0.0	8.29E-06	1.87E-04	1.38E-03	5.42E-03
7	4	121		34013,35	_	5665.92	1.7649	EOE0.0	0.0	0.0	1.42E-06	4.78E-05	4.60E-04	2.18E-03
12	5	7	6	18415.73	1 1	5666.03	1.7649	0.0303	0.0	0.0	0.0	4.10E-07	7.82E-06	6.05E-05
5	2	60	61	10914.00	2	5666.26 5666.31	1.7648	0.0620	0.0	6.46E-07	3.55E-05	3.53E-04	1.51E-03	4.01E-03
10	7	26	27	15806.43	1	5666.41	1.7648 1.7648	0.0398	0.0	1.50E-06	1.36E-05	4.60E-05	9.56E-05	1.52E-04
9	6	37	38	15143.88	î	5667.46	1.7645	0.0398	0.0	1.19E-05	3.50E-04	2.39E-03	7.96E-03	1.77E-02
11	ē	12	13	16732.56	i	5667.63	1.7644	0.0503	0.0	1.87E~05	4.69E-04	2.91E-03	9.09E-03	1.935-02
12	9	57	56	23913.44	i	5668.10	1.7643	C.0503	0.0	3.64E-06 4.52E-0E	1.34E-04 9.30E-06	1.056-03	3.80E-03	9.008-03
8	ś	32	33	12191.21	2	5668.46	1.7641	0.0326	. 0.0	1.90E-06	2.35E-05	2.04E-04 9.51E-05	1.48E-03 2.23E-04	5.72E-03 3.87E-04
6	3	63	64	14023.30	ī	5668.86	1.7640	0.0303	0.0	1.58E-05	3.04E-04	1.61E-03	4.51E-03	8.865-03
12	9	8	7	16440.43	1	5668.95	1.7640		, 0.0	7.28E-07	4.03E-05	4.03E-04	1.725-03	4.59E-03
8		112	111	32312.95	1	5669.78	1.7637	0.0303	0.0	0.0	0.0	1.48E-06	2.41E-05	1.66E-04
7	4	56	56	14265.13	1	5669.94	1.7637	E0E0.0	0.0	2.13E-05	4.33E-04	2.37E-03	6.80E-03	1.36E-02
4	1	77	78	13648.17	1	5670.51	1.7635	0.0303	0.0	4.62E-06	8.11E-05	4.06E-04	1.10E-03	2.10E-03
10	7	<b>S1</b>	90	26778.82	1	5670.63	1.7635	E0E0.0	0.0	0.0	3.66E-07	1.62E-05	1.875-04	1.016-03
12	9	56	55	23720.06	1	5670.77	1.7634	0.0303	. 0.0	5.30E~08	1.04E-05	2.22E-04	1.58E-03	6.03E-03
11	Ę	77	76	26629.57	1	5670.96	1.7634	E0E0.0	0.0	0.0	1.67E-06	5.43E-05	5.10E-04	2.386-03
7	4	42	43	11566.25	2	5671.14	1.7633	0.0303	0.0	2.526-06	2.67E-05	9.91E-05	2.195-04	3.64E-04
12	9	9	е	18468.66	1	5671.53	1.7632	0.0524	0.0	8.06E-07	4.495-05	4.50E-04	1.93E-03	5.16E-03
5	2	70	71	13748.23	1	5672.15	1.7630	0.0303	0.0	1.055-05	1.88E-04	9.58E-04	2.62E-03	5.05E-03
4	1	67	68	10519.39	2	5672.38	1.7629	0.0303	0.0	8.95E-07	7.40E-06	2.36E-05	4.72E-05	7.28E-05
9	6	102	101	30534.46	1	5672.43	1.7629	0.0303 '	0.0	0.0	8.94E-08	5.09E-06	6.95E-05	4.235-04
11	8	11	12	16686.27	1	5672.44	1.7629	0.0617	0.0	3.55E-06	1.29E-04	1.00E-03	3.625-03	8.54F-03
6	3	51	52	11099.95	2	5672.62	1.7629	0.0303	0.0	2.426-06	2.30E-05	7.97E-05	1.69E-04	2.71E-04
10	7	25	26	15709.71	1	5672.68	1.7626	0.0418	0.0	1.27E-05	3.65E-04	2.46E-03	E0-311.9	1.79E-02
8	5	46	47	14560.82		5672.88	1.7628	0.0303	0.0	2.42E-05	5.29E-04	3.02E-03	8.91E-03	1.82E-02
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# MOLECULAR LINE PARAMETERS FOR DIATOMIC MOLECULES CARBON MONOXIDE

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VU	٧L	Ju	J۲	LOWER State	CODE	WAVE RUMBER	WAVE Length	HALF Width	******	** INTEGRATI	ED ** ABSOR CM*G		EPFICIENT *	******
				ENERGY		CH-1	MICRON	HZ	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
12	9	55	54	23529.98		5673.33	. 7404			6 . n. = . n.				
2 X	0	74	75	10293.79	1 2	5673.81	1.7626 1.7625	0.0303 0.0303	0.0	6.19E-08	1.16E-05	2.41E-04	1.68E-03	6.34E-03
12	ç	10	9	18500.42	1	5674.01	1.7625	0.0624	0.0	2.79E-07	2.196-06	6.74E-06	1.325-05	2.01E-05
9	6	36	37	15007.09	1	5674.87	1.7622	0.0504	0.0 0.0	8.78E-07 2.09E-05	4.93E-05 5.07E-04	4.97E-04	2.14E-03	5.71E-03
é	5	31	32	12076.10	ż	5675.03	1.7621	0.0331	0.0	2.07E-06	2.495-05	3.09E-03 9.92E-05	9.52E-03 2.31E-04	2.00E-02
5	2	59	60	10698.87	2	5675.55	1.7619	0.0303	0.0	1.825-06	1.57E-05	5.15E-05	1.05E-04	3.96E-04
12	9	54	53	23343.22	1	5675.78	1.7619	0.0303	0.0	7.20E-08	1.29E-05	2.61E-04	1.79E-03	1.64E-04 6.66E-03
11	ē	76	75	26369.43	ī	5675.88	1.7618	0.0303	0.0	0.0	1.975-06	6.15E-05	5.64E-04	2.58E-03
7	4	120	119	33611.38	ī	5676.06	1.7618	0.0303	0.0	0.0	0.0	5.03E-07	9.23E-06	6.95E-05
3	a	83	84.		1	5676.12	1.7618	0.0303	0.0	1.425-06	2.36E-05	1.14E-04	3.02E-04	5.69E-04
12	g	11	10	16535.70	1	5676.38	1.7617	0.0625	0.0	9.43E-07	5.34E-05	5.415-04	2.34E-03	6.26E-03
11	8	10	11	16643.52	1	5677.15	1.7614	0.0625	0.0	3.42E-06	1.236-04	9.48E-04	3.42E-03	8.04E-03
10	7	90	89	26472.78	1	5677.16	1.7614	E0E0.0	0.0	0.0	4.43E-07	1.87E-05	2.10E-04	1.11E-03
12	9	53	52	23159.78	1	5678.11	1.7611	EOEO.O	0.0	8.34E-08	1.43E-05	2.82E-04	1.90E-03	6.98E-03
12	9	12	11	16574.50	1	5678.64	1.7610	0.0617	0.0	1.00E-06	5.736-05	5.83E-04	2.536-03	6.79E-03
7	4	41	42	11415.59	2	5678.68	1.7610	0.0303	0.0	2.86E-06	2.936-05	1.06E-04	2.32E-04	3.81E-04
8	5	111	110	06.9E21E	1	5678.75	1.7610	E0E0.0	0.0	0.0	0.0	1.80E-06	2.826-05	1,89E-04
10	7	24	25	15616.54	1	5678.85	1.7609	0.0437	0.0	1.356-05	3.79E-04	2.52E-03	8.23E-03	1.81E-02
6	Ξ	62	63	13790.39	1	5678.91	1.7609	0.0303 °	4.35E-08	1.96E-05	3.56E-04	1.82E-03	4.99E-03	9.65E-03
7	4	54	55	14061.97	1	5679.18	1.7608	COE0.0	4.99E-08	2.56E-05	4.97E-04	2.64E-03	7.43E-03	1.46E-02
9	6	101	100	30192.72	1	5680.23	1.7605	. 0.0303	0.0	0.0	1-12E-07	6.05E-06	8 . COE-05	4.76E-04
12	9	52	51	22979.66	1	5680.33	1.7605	E0E0.0	0.0	9.63E-08	1.58E-05	3.04E-04	2.01E-03	7.31E-03
11	8	75	74	26112.42	1	5680.69	1.7604	0.0303	0.0	0.0	2.31E-06	6.96E-05	6.22E-04	2.80E-03
12	9	13	12	18616.82	1	5680.8C	1.7603	0.0610	0.0	1.05E-06	6.08E-05	6.23E-04	2.71E-03	7.30E-03
6	3	50	51	10917.06	2	5681.02	1.7602	E050.0	0.0	2.85E-06	2.60E-05	8.76F-05	1.82E-04	2.89E-04
8	5	45		14390.88	1	5681.22	1.7602	0.0303	4.67E-08	2-81E-05	5.89E-04	3.28E-03	9.54E-03	1.92E-02
8	5	30	31	11964.44	2	5681.52	1.7601	0.0335	0.0	2.25E-06	2.63E-05	1.03E-04	2.37E-04	4.056-04
11	8	9	10	16604.34	ì	5681.75	1.7600	0.0624	0.0	3.25E-06	1.16E-04	8.89E-04	3.19E-03	7.49E-03
4	1	76	77	13362.69	1	5681.95	1.7600	0.0303.	0.0	6.03E-06	5.89E-05	4.75E-04	1.25E-03	2.35E-03
9	6	35	36	14873.83	1	5682.18	1.7599	0.0312	0.0	2.32E-05	5.47E-04	3.27E-03	9.946-03	2.07E-02
4	1	66	67	10278.73	2	5682.28	1.7599	0.0303	0.0	1.12E-06	8.71E-06	2.68E-05	5.256-05	7.97E-05
12	9	51	50	22602.87	1	5682.44	1.7598	E0E0.0	0.0	1 - 1 1E-07	1.75E-05	3.27E-04	2.13E-03	7.63E-03
12	9	14	13 70	18662.66	1	5682.85	1.7597	0.0604	0.0	1.10E-06	6-40E-05	6.60E-04	2.89E-03	7.80E-03
5 10	7	69 89	88	13489.02 28169.73	1	5682.90	1.7597	0.0303	0.0	1.335-05	2.25E~04	1.10E-03	2.94E-03	5.57E-03
3	ó	73	74	10027.60	2	5683.57	1.7595	0.0303	0.0	0.0	5.40E-07	2.198-05	2.38E-04	1.23E-03
12	9	50	49	22629.43	1	5684.37 5684.44	1.7592	E0E0.0	0.0	3.586-07	2.63E-06	7.80E-06	1.49E-05	2.22E-05
5	2	58	59	10487.10	2	5684.71	1.7591	0.0303		1.27E-07 2.22E-06	1.92E-05	3.50F-04	2.24E-03	7.95E-03
12	9	15	14	18712.02	1	5684.80	1.7591	0.0597	.0.0	1.13E-06	1.82E-05 6.68E-05	5.77E-05 6.94E-04	1.15E-04 3.05E-03	1.77E-04
10	7	23	24	15526.91	1	5684.92	1.7590	0.0457	0.0	1.426-05	3.92E-04	2.57E-03	8.33E-03	8.27E-03 1.82E-02
11	ė	74	73	25858.57	î	5685.39	1.7589	0.0303	0.0	0.0	2.70E-06	7.85E-05	6.85E-04	3.03E-03
7		115		33212.05	î	5685.97	1.7587	0.0303	0.0	0.0	0.0	6.22E-07	1.105-05	8.04E-05
6		127		34695.28	1	5686.1C	1.7587	0.0303	0.0	0.0	0.0	1.81E-07	3.70E-06	2.99E-05
7	4	40	41	11268.36	2	5686.13	1.7587	0.0303	0.0	3.24E-06	3.21E-05	1.145-04	2.45E-04	3.98E-04
11	٤	ε	9	16568.71	ī	5686.26	1.7586	0.0624	0.0	3.05E-06	1.08E-04	8-235-04	2.95E-03	6.905-03
12	S	45	46	22459.34	1	5686.32	1.7586	EOE0.0	0.0	1.45E-07	2.11E-05	3.75E-04	2.36E-03	8.27E-03
12	9	16	15	16764.90	1	5686.63	1.7585	0.0591	0.0	1.16E-06	6.936-05	7.25E-04	3.20E-03	8.72E-03
8	5	110	109	31568.43	1	5687.59	1.7582	E0E0.0	0.0	0.0	0.0	2.19E-06	3.30E-05	2.16E-04
9	6	100	99	29853.86	1	5687.91	1.7561	C.0303	0.0	0.0	1.39E-07	7.18E-06	9.19E-05	5.35E-04
8	5	29	30	11856.22	2	5687.91	1.7581	0.0340	0.0	2.43E-06	2.77E-05	1.07E-04	2.43E-04	4.125-04
12	ç	48	47	22292.60	1	5688.09	1.7581	E050.0	0.0	1.65E-07	2.30E-05	4.00E-04	2.485-03	8.59E-03
3	0	82	83	13104.36	1.	5688.15	1.7580	E0E0.0	0.0	1.90E-06	2.93E-05	1.36E-04	3.48E-04	6.43E-04
7	4	53	54	13862.29	1	5688.33	1.7580	EOÉ0.0	6.58E-08	3.07E-05	5.68E-04	2.93E-03	8.10E-03	1.576-02
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VU	٧L	JU	JŁ	LOWER STATE	CODE	WAVE Number	WAVE Length	HALF WICTH		** INTEGRAT	ED ** ABSCRE		EFFICIENT *:	*****
				ENERGY		C#-1	MICRCN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
12	ç	17	16	16821.29	1	5688.36	1.7580	0.0585	0.0	1.18E-06	7.14E-05	7.53E-04	3.35E-03	9.14E-03
6	3	61	62	13560.93	1	5688.86	1.7578	E0E0.0	5.98E-08	2.41E-05	4.15E-04	2.05E-03	5.51E-03	1.05E-02
6	3	49	50	10737.57	2	5689.33	1.7577	E0E0.0	0.0	3.35E-06	2.92E-05	9-60E-05	1.96E-04	3.08E-04
9	6	34	35	14744.11	1	5689.39	1.7577	0.0317	0.0	2.58E-05	5.88E-04	3.45E-03	1.04E-02	2.14E-02
9,	5	44	45	14224.45	1	5689.45	1.7576	0.0303	5.85E-08	3.25E-05	6.54E-04	3.56E-03	1.025-02	2.03E-02
12	9	47	46	22129.23	1	5689.75	1.7575	E050.0	0.0	1.87E-07	2.51E-05	4.26E-04	2.60E-03	8.91E-03
10	7	88	87	27869.71	1	5689.86	1.7575	C0E0.0	0.0	0.0	6.56E-07	2.54E-05	2.69E-04	1.37E-03
11	8	73	72	25607.89	1	5689.96	1.7975	E0E0.0	0.0	0.0	3.16E-06	8.84E-05	7.53E-04	3.27E-03
12	9	18	17	18881.18	1	5689.99	1.7575	0.0568	0.0	1.19E-06	7.31E-05	7.785-04	3.47E-03	9.53E-03
11	e	7	٤	16536.64	1	5690.65	1.7573	0.0623	0.0	2.826-06	9.90E-05	7.51E-04	2.685-03	6.26E-03
10	7	22	23	15440.84	1	5690.89	1.7572	0.0476	0.0	1.50E-05	4.03E-04	2.62E-03	8.40E-03	1.82E-02
12	\$	46	45	21969.23	1	5691.30	1.7571	C.0303	0.0	2.11E-07	2.73E-05	4.52E-04	2.72E-03	9.21E-03
12	9	19	18	18944.59	1	5691.50	1.7570	0.0552	0.0	1.196-06	7.44E-05	7.99E-04	3.59E-03	9.89E-03
4	1	65	66	10041.41	2	5692.10	1.7568	0.0303	0.0	1.39E-06	1.02E-05	3.05E-05	5.82E-05	8.71E-05
12	9	45	44	21812.60	1	5692.74	1.7566	0.0303	0.0	2.38E-07	2.955-05	4.79E-04	2.84E-03	9.516-03
12	ç	20	19	19011.50	1	5692.91	1.7566	0.0535	C • O	1.195-06	7.54E-05	8 • 17E-04	3.70E~03	1.02E-02
4	1	75	76	13080.58	1	5693.30	1.7565	E0E0.0	0.0	7.85E-06	1.20E-04	5.55E-04	1.42E-03	2.62E-03
7	4	39	40	11124.55	2	5693.49	1.7564	E0E0.0	0.0	3.66E-06	3.50E-05	1.22E-04	2.58E-04	4 • 1 5E-04
5	2	66	69	13233.23	1	5693.56	1.7564	0.0303	4.89E-08	1.69E-05	2.68E-04	1.27E-03	3.29E-03	6.13E-03
5	2	57	58	10278.70	2	5693.78	1.7563	0.0303	0.0	2.69E-06	2.10E-05	6.46E-05	1.266-04	1.92E+04
12	ş	44	43	21659.36	1	5694.07	1.7562	E0E0.0	0.0	2.66E-07	3.196-05	5.06E-04	2.95E-03	9.79E-03
8	5	28	29	11751.45	2	5694.20	1.7562	0.0359	0.0	2.63E-06	2.92E-05	1.11E-04	2.50E-04	4.21E-04
12	9	21	20	19081.91	1	5694.21	1.7562	0.0515	0.0	1.185-06	7.59E-05	8.31E-04	3.79E-03	1.056-02
11	8	72	71	25360.39	1	5694.43	1.7561	0.0303	0.0	0.0	3.68E-06	9.93E~05	8.26E-04	3.53E-03
3	0	72	73	\$764.71	2	5694.84	1.7560	0.0303	0.0	4.57E-07	3.15E-06	9.01E-06	1.68E-05	2.46E-05
11	8	6	7	16508.13	1	5694.95	1.7559	0.0620	0.0	2.56E-06	8.91E-05	6.74E-04	2.40E-03	5.59E-03
12	ç	43	42	21509.51	1	5695.28	1.7558	EOE0.0	0.0	2.97E-07	3.43E-05	5.33E-04	3.07E-03	1.01E-02
12	S	22	21	19155.82	1	5695.40	1.7558	0.0496	0.0	1.16E-06	7.61E-05	8.425-04	3.86E-03	1.08E-02
9	€	99	98	29517.91	1	5695.47	1.7558	E0E0.0	0.0	0.0	1.73E-07	8.51E-06	1.05E-04	5.995-04
7	4	118	117	32815.40	1	5695.75	1.7557	0.0303	0.0	0.0	0.0	7.67E-07	1.30E-05	9.29E-05
10	7	87	86	27572.73	1	5696.03	1.7556	0.0303	0.0	0.0	7.96E-07	2.96E-05	3.04E-04	1.51E~03
8	5	109	108	31200.33	1	5696.32	1.7555	E0E0.0	0.0	0.0	4.23E-08	2.65E-06	3.86E-05	2.46E~04
12	S	42	41	21363.06	1	5696.39	1.7555	0.0303	0.0	3.305-07	3.69E-05	5.60E-04	3.18E-03	
12	9	23	22	19233.23	1	5696.49	1.7555	0.0476	0.0	1.13E-06	7.60E-05	8.50E-04	3.18E-03	1.03E-02 1.10E-02
9	6	33	34	14617.93	1	5696.50	1.7555	0.0321	4.24E-08	2.84E-05	6.30E-04	3.63E-03		
10	7	21	22	15358.34	1	5696.76	1.7554	0.0496	•	. 1.56E-05	4 • 13E-04		1.08E-02	2.20E-02
€	3	126	125	34273.40	ī	5696.82	1.7554	0.0303	0.0	0.0	0.0	2.65E-03 2.26E-07	8.44E-03 4.42E+06	1.82E-02
12	9	41	40	21220.01	1	5697.38	1.7552	0.0303	0.0	3.66E-07	3.94E-05	5.87E-04	3.28E-03	3.48E-05
7	4	52	53	13666.09	ī	5697.38	1.7552	0.0303	8.64E-08	3.67E-05	6.47E-04			1.06E-02
12	9	24	23	19314.13	ī	5697.46	1.7552	0.0457	0.0	1.10F-06	7.54E-05	3.25E-03	8.80E~03	1.695-02
6	Э	4 &	49	10561.49	2	5697.54	1.7551	0.0303	4-11E-08	3.92E-06	3.27E-05	8.54E-04 1.05E-04	3.98E-03	1.12E-02
в	5	43	44	14061.54	1	5697.59	1.7551	E0E0.0	7.28E-08	3.74E-05			2.11E-04	3.27E-04
12 .	9	40	39	21080.37	1	5698.27	1.7549	0.0303	0.0	4.03E-07	7.25E-04	3.85E-03	1.08E-02.	2.14E-02
12	ç	25	24	19398.52	ī	5698.33	1.7549	0.0437	0.0	1.07E-06	4.21E-05	6.14E-04	3.39E-03	1.08E-02
6	3	60	61	13334.93	i	5658.72	1.7548	E0E0.0	8.18E-08	2.96E-05	7.46E-05	8.55E-04	4.02E-03	1.14E-02
11	ē	71	70	25116.07	i	5698.77	1.7548	0.0303	0.0	0.0	4.83E-04	2.31E-03	6.07E-03	1-14E-02
12	g	39	38	20944.14	i	5699.04	1.7547	0.0303			4.27E-06	1.11E-04	9.05E-04	3.81E-03
12	9	26	25	19466.39	i	5699.09	1.7547	0.0303	0.0	4.43E-07	4.47E-05	6.40E-04	3.49E-03	1.10E-02
11	é	5	ě	16483.18	i	5699.14	1.7547	0.0412	0.0	1.03E-06	7.35E-05	8.53E-04	4.04E-03	1.15E-02
12	Š	38	37	20811.34	i	5699.70			0.0	2.26E-06	7.84E-05	5.91E-04	2.10E-03	4.886-03
12	g	27	26	19577.75	i	5699.74	1.7545 1.7545	0.0303	0.0	4.84E-07	4.74E-05	6.65E-04	3.58E-03	1.12E-02
3	0	81	82	12799.33	1	5700.10		8960.0	0.0	9.91E-07	7.21E-05	8.48E-04	4.05E-03	1.17E-02
12	9	37	36	20681.96	_	5700.25	1.7544 1.7543	50E0.0 ' 80E0.0	0.0	2.53E-06	·3.62E-05	1.61E-04	4.01E-04	7.24E-04
	-	•			•	2100123	4 61 242	0.0300	0.0	5.286-07	5.00E-05	6.89E-04	3.66E-03	1.14E-02

٧u	٧L	JÜ	JL	LOWER STATE	CODE	MAVE	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	CM*G		EFFICIENT *	******
				ENERGY		CM-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
12	9		` 27	19672.59	1	5700.28	1.7543	0.0379	0.0	9.46E-07	7.04E-05	8 -40E-04	4.C5E-03	1-17E-02
8	5	27	28	11650.14	2	57C0.4C	1.7543	0.0379	0.0	2.83E-06	3.06E-05	1.15E-04	2.56E-04	4.28E-04
12	S	36	25	20556.01	1	5700.70	1.7542	0.0312	0.0	5.72E-C7	5.26E-05	7.136-04	3.74E-03	1.15E-02
12	9	29	28	19770.91	1	5700.72	1.7542	0.0359	0.0	8.99E-07	6.856-05	8.295-04	4.03E-03	1.18E-02
7	4	38	39	10984.19	2	5700.75	1.7542	0.0303	0.0	4.11E-0€	3.80E→05	1.29E-04	2.71E-04	4.32E-04
12	9	35	34	20433.50	1	5701.03	1.7541	0.0317	0.0	6.18E-07	5.52E-05	7.34F-04	3.81E-03	1.16E-02
12	9	30	29	19872.69	1	5701.C4	1.7541	0.0340	0.0	8.51E-07	6.65E-05	8.15E-04	4.C1E-03	1.18E-02
12	S	34	33	20314.43	1	5701.25	1.7540	0.0321	0.0	6.65E-07	5.77E-05	7.55E-04	3.87E-03	1.176-02
12	9	31	30	19977.94	1	5701.26	1.7540	0.0335	0.0	8.05E-07	6.45E-05	8.04E-04	3.99E~03	1.18E-02
12	9	33	32	20198.81	1	5701.36	1.7540	0.0326	0.0	7.12E-07	6.01E-05	7.73E-04	3.92E-03	1.186-02
12	ç	32	31	20086.64	1	5701.37	1.7540	1EE0.0	0.0	7.59E-07	6.24E-05	7.89E-04	3.96E-03	1.18E-02
4	1	€4	65	9807.43	2	5701.83	1.7538	E080.0	0.0	1.72E-06	1.20E-05	3.45E-05	6.45E-05	9.49E-05
10	7	86	85	27278.79	1	5702.09	1.7537 ^	0.0303	0.0	0.0	9.625-07	3.43E-05	3.43E-04	1.67E-03
10	7	20	21	15279.39	1	5702.53	1.7536	0.0515	0.0	1.626-05	4.22E-04	2.67E-03	8.45E-03	1.81E-02
5	2	56	57	10073.68	2	5702.75	1.7535	0.0303	4.29E-08	3.24E-06	2.41E-05	7.21E-05	1.38E-04	2.07E-04
9	Ę	98.	97	29184.87	1	5702.91	1.7535	E0E0.0	0.0	0.0	2.15E-07	1.018-05	1.21E-04	6.71E-04
11	9	70	69	24874.95	1	5703.01	1.7535	0.0303	0.0	0.0	4.94E-06	1.25E-04	9.89E-04	4.09E-03
11	ε	4	5	16461.79	1	5703.23	1.7534	0.0614	0.0	1.94E-06	6.69E-05	5.02E-04	1.785-03	4.145-03
9	6	32	33	14495.30	1	5703.51	1.7533	0.0326	4.94E-08	3.12E-05	6.72E-04	3.80E-03	1.12E-02	2.27E-02
5	2	67	68	12980.85	1	5704.12	1.7531	EOEO.O	6.97E-08	2.136-05	3.19E-04	1.45E-03	3.68E-03	6.74E-03
4	1	74	75	12801.85	1	5704.56	1.7530	E0E0.0	0.0	1.02E-05	1.46E-04	6.47E-04	1.61E-03	2.92E-03
8	5	108	.107	E0.2530E	1	5704.92	1.7529	E0E0.0	0.0	0.0	5.39E-08	3.20E-06	4.50E-05	2.80E-04
3	C	71	72	9505.12	2	5705.22	1.7528	0.0303	0.0	5.81E-07	3.77E-06	1.04E-05	1.88E-05	2.72E-05
7	4	117	116	32421.43	1	5705.41	1.7527	E0E0.0	0.0	0.0	0.0	9.44E-07	1.55E-05	1.07E-04
8	5	42	43	13902.14	1	5705.62	1.7527	0.0303	9.02E-08	4.296-05	8.00E-04	4.16E-03	1.15E-02	2.256-02
6	3	47	48	10388.82	2	5705.67	1.7526	0.0303	5.20E-08	4.57E-06	3.66E-05	1.15E-04	2.26E~04	3.47E-04
7	4	51	52	13473.39	1	5706.33	1.7524	E0E0.0	1.13E-07	4.37E-05	7.35E-04	3.59E-03	9.556-03	1.81E-02
8	5	26	27	11552.28	2	5706.51	1.7524	0.0398	0.0	3.02E-06	3.20E-05	1.18E-04	2.626-04	4.345-04
11	8	69	68	24637.04	1	5707.13	1.7522	E0E0.0	0.0	0.0	5.71E-06	1.39E-04	1.08E-03	4.39E-03
11	ε	3	4	16443.96	1	5707.21	1.7522	0.0611	0.0	1.59E-06	5.46E-05	4.09E-04	1.45E-03	3.36E-03
6	3	125	124	33854.11	1	5707.43	1.7521	E0E0.0	0.0	0.0	0.0	2.80E-07	5'-27E-06	4.03E-05
7	4	37	38	10847.26	2	5707.92	1.7520	0.0303	4.20E-08	4.60E-06	4.11E-05	1.38E-04	2.84E-04	4.49E-04
10	7	85	84	26987.90	1	5708.03	1.7519	C.0303	0.0	0.0	1.16E-06	3.96E-05	3.86E-04	1.84E-03
10	7	19	20	15204.01	1	5708.19	1.7519	0.0535	0.0	1.686-05	4.28E-04	2.68E-03	8.42E-03	1.80E-02
ě	3	55	60	13112.37	î	5708.48	1.7518	0.0303	1.11E-07	3.63E-05	5.60E-04	2.60E-03	6.68E-03	1.23E-02
9	6	97	96	28854.77	1	5710.23	1.7512	C.0303	0.0	0.0	2.655-07	1.196-05	1.38E-04	7.50E-04
9	6	31	32	14376.23	ī	5710.42	1.7512	0.0331	5.72E-08	3.42E-05	7.14E-04	3.98E-03	1.15E-02	2.32E-02
11	8	2	3	16429.71	1	5711.09	1.7510	0.0609	0.0	1.22E-06	4.17E-05	3.125-04	1.105-03	2.56E-03
11	ē	68	67	24402.34	1	5711.13	1.7510	C.0303	0.0	0.0	6.58E-06	1.55E-04	1.18E-03	4.71E-03
4	1	63	64	9576.80	2 2	5711.47	1.7509	E0E0.0	0.0	2.135-06	1.405-05	3.90E-05	7.14E-05	1.03E-04
5	ž	55	56	9872.04	2	5711.64	1.7508	0.0303	5.69E-08	3.906-06	2.76E-05	8.02E-05	1.518-04	2.23E-04
3	ā	80	81	12497.64	ī	5711.95	1.7507	0.0303	0.0	3.36E-06	4.48E-05	1.90E-04	4.60E-04	8.16E-04
ē	5	25	26	11457.88	2	5712.52	1.7505	0.0418	0.0	3.22E-06	3.34E-05	1.225-04	2.67E-04	4.39E-04
8	5		106	30472.55	1	5713.41	1.7503	0.0303	0.0	0.0	6.84E-08	3.86E-06	5.24E-05	3.18E-04
e	5	41	42	13746.29	î	5713.56	1.7502	0.0303	1.11E-07	4.90E-05	8.81E-04	4.48E-03	1.22E-02	
6	3	46	47	10219.57	ż	5713.70	1.7502	0.0303	6.54E-08	5.30E-06	4.08E-05	1.25E-04	2.42E-04	2.36E-02
10	7	16	15	15132.20	1	5713.76	1.7502	0.0552	0.0	1.726-05	4.08E-05	2.68E-03	8.36E-03	3.67E-04
10	7	847	83	26700.09	î	5713.76	1.7501	0.0303	0.0	0.0	1.40E-06			1.77E-02
5	2	66	67	12731.90	1	5713.65	1.7459	0.0303	9.87E-08	2.686-05		4.58E-05	4.33E-04 *	2.03E-03
11	8	1	2	16419.01	1					8.28E-07	3.78E-04	1.66E-03	4.11E-03	7.40E-03
7	4		115	32030.15	-	5714.86	1.7498	0.0606	0.0	-	2.82E-05	2.11E-04	7.44E-04	1.73E-03
7	4	36	37		1	5714.95	1.7498	0.0303	0.0	0.0	0.0	1.16E-06	1.83E-05	1.248-04
11	ě	67	66	10713.77	2	5715.00	1.7498	0.0308	4.99E-08	5.13E-06	4.44E-05	1.46E-04	2.97E-04	4.65E-04
11	ç	a /	00	24170.88	1	5715.02	1.7498	0.0303	0.0	0.0	7.555-06	1.72E-04	1.28E-03	5.03E-03

VU	٧L	าน	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HAĹF Width			D ** ABSORI CM*GI	<b>y-1</b>		
				ENERGY		CM-1	MICRCN	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7	4	50	51	13284.19	1	5715.19	1.7497	E0E0.0	1.46E-07	5.186-05	8.33E-04	3.96E-03	1.03E-02	- 1.93E-02
3	0	70	71	9248.86		5715.51	1.7456	E0E0.0	0.0	7.37E-07	4 • 49E-06	1.19E-05	2.11E-05	2.995-05
4	1	73	74	12526.50	1	5715.72	1.7496	E0E0.0	5.35E-08	1.32E-05	1.76E-04	7.52E-04	1.836-03	3.25E-03
9	6	30	31	14260.70	1	5717.23	1.7491	0.0335	6.59E-08	3.72E-06	7.57E-04	4.14E-03	1.19E-02	2.38E-02
9	6	96	95	28527.61	1	5717.44	1.7490	E0E0.0	0.0	0.0	3.28E-07	1.40E-05	1.57E-04	8.36E-04
6	3	124	123	33437.40	1	5717.92	1.7489	0.0303	0.0	0.0	0.0	3.47E-07	6.27E-06	4.66E-05
6	3	58	59	12893.29	1	5718.15	1.7488	0.0303	1.51E-07	4.446-05	6.50E-04	2.92E-03	7.36E-03	1.34E~02
8	5	24	25	11366.95	2	5718.44	1.7487	0.0437	0.0	3.41E-06	3.46E-05	1.25E-04	2.71E-04	4.43E-04
11	8	0	1	16411.88	1	5710.53	1.7487	0.0603	0.0	4.20E-07	1.436-05	1.07E-04	3.76E-04	8.725-04
11	8	€6	65	23942.65	1	5718.79	1.7486	E050.0	0.0	4.17E-08	8.65E-06	1.9 IE-04	1.39E-03	5.37E-03
10	7	17	18	15063.96		5719.22	1.7485	0.0568	0.0	1.76E-05	4.34E-04	2.67E-03	8.26E-03	1.74E-02
10	7	EB	82	26415.37	1	5719.56	1.7484	0.0303	0.0	0.0	1.68E-06	5.27E-05	4.86E-04	2.23E-03
5	2	54	55.	9673.80		5720.43	1.7481	0.0303	7.49E-08	4.67E-06	3.16E-05	8.91E-05	1.64E-04	2.40E-04
4	1	62	63	9349.53	2	5721.02	1.7479	E0E0.0	4.90E-08	2.62E-06	1.63E-05	4.40E-05	7.88E-05	1.12E-04
8	5	40	41	13593.96		5721.40	1.747€	0.0303	1.36E-07	5.58E-05	9.66E-04	4.81E-03	1.29E-02	2.47E-02
6	3	45	46	10053.75	2	5721.64	1.7478	E0E0.0	8.19E-08	6.13E-06	4.54E-05	1.35E-04	2.59E-04	3.88E-04
8	5		105	30112.89	1	5721.77	1.7477	E0E0.0	0.0	0.0	8.67E-08	4.64E-06	6.10E-05	3.61E-04
7	4	36	36	10583.74		5721.98	1.7476	0.0312	5.90E-08	5.69E-06	4.78E-05	1.54E-04	3.10E-04	4.81E-04
11	e	65	64	23717.67	1	5722.45	1.7475	0.0303	0.0	90-3E0.c	9.88E-06	2.11E-04	1.50E-03	5.73E-03
3	0	75	80	12199.31	1	5723.70	1.7471	E0E0.0	0.0	4.44E-06	5.51E-05	2.24E-04	5.28E-04	9.17E-04
9	6	29	30	14148.75	1	5723.94	1.7470	0.0340	7.54E-08	4.04E-05	7.99E-04	4.30E-03	1.22E-02	2.42E-02
7	4	49	50	13098.50	1	5723.95	1.7470	E0E0.0	1.89E-07	6.11E-05	9.41E-04	4.366-03	1.12E-02	2.066-02
8	5	23	24	11279.49	2	5724.27	1.7469	0.0457	0.0	3.60E-06	3.57E-05	1.27E-04	2.746-04	4.45E-04
7	4		114	31641.59	1	5724.37	1.7469	E0E0.0	0.0	0.0	0.0	1.42E-06	2.16E-05	1.425-04
9	€	95	94	28203.41	1	5724.52	1.7469	0.0303	0.0	0.0	4.03E-07	1.64E-05	1.795-04	9.32E-04
10	7	16	17	14999.30	1	5724.58	1.7469	0.0585	0.0	1.786-05	4.33E-04	2.64E-03	8.12E-03	1.71E-02
5	2	65	66	12466.39		5724.95	1.7467	0.0303	1.39E-07	3.36E-05	4.46E-04	1.89E-03	4.58E-03	8.11E-03
10	7	82	81	26133.74		5725.15	1.7467	E0E0.0	0.0	0.0	2.01E-06	6.06E-05	5.43E-04	2.45E-03
11	6	1	0	16408.32	1	5725.56	1.7466	0.0603	0.0	4.30E-07	1.46E-05	1.09E-04	3.85E-04	8.91E-04
3	٥	69	70	E995.93		5725.72	1.7465	0.0303	0.0	9.31E-07	5.35E-06	1.37E-05	2.37E-05	3.30E-05
11	8	64	63	23495.95	1	5726.00	1.7464	C.0303	0.0	6.04E-08	1.13E-05	2.33E-04	1.62E-03	6.09E-03
4	1	72	73	12254.55	1	5726.79	1.7462	0.0303	7.85E-08	1.69E-05	2.13E-04	8.73E-04	2.07E-03	3.60E-03
6	3	57	58	12677.69	1	5727.72	1.7459	0.0303	2.05E-07	5.426-05	7.53E-04	3.28E-03	E0-301.8	1.45E-02
6	3	123		33023.30	1	5720.28	1.7457	E0E0.0	0.0	0.0	0.0	4.29E-07	7.45E-06	5.396-05
7	4	34	35	10457.16	2	5728.87	1.7455	0.0317	6.93E-08	6.29E-06	5.136-05	1.62E-04	3.22E-04	4.96E-04
11	8	2	1	16411.88	1	5728.91	1.7455	0.0606	0.0	8.67E-07	2.95E-05	2.20E-04	7.77E-04	E0-308.1
5	2	53	54	9478.96		5729.14	1.7455	E0E0.0	9.82E-08	5.58E-06	3.60E-05	9.87E-05	1.79E-04	2.57E-04
8	5	39	40	13445.18	1	5729.15	1.7455	E0E0.0	1.65E-07	6.326-05	1.06E-03	5.15E-03	1.375-02	2.58E-02
11	£	63	62	23277.50	1	5729.43	1.7454	E0E0.0	0.0	7.24E-08	1.28E-05	2.56E-04	1.75E-03	6.476-03
6	3	44	45	9891.36	2	5729.49	1.7454	E0E0.0	1.025-07	7.07E-06	5.03E-05	1.46E-04	2.76E-04	4.09E-04
10	7	15	16	14938,22		5729.83	1.7453	0.0591	0.0	1.80E-05	4.30E-04	2.59E-03	7.94E-03	1.66E-02
8	5	22	23	11195.50		5730.00	1.7452	0.0476	0.0	3.78E-06	3.67E-05	1.29E-04	2.76E-04	4.46E-04
8			104	29756.08		5730.02	1.7452	E0E0.0	0.0	0.0	1.10E-07	5.58E-06	7.C8E-05	4.09E-04
4	1	61	62	9125.64	2	5730.48	1.7451	0.0303	6.69E-08	3.21E-06	1.90E-05	4.966-05	8.68E-05	1.22E-04
9	6	28	29	14040.35	1	5730.55	1.7450	0.0359	8.61E-08	4.386-05	8.44E-04	4.48E-03	1.26E-02	2.48E-02
10	7	<b>e</b> 1	80	25855.22		5730.62	1.7450	E0E0.0	0.0	0.0	2.40E-06	6.96E-05	6.07E-04	2.69E-03
9	6	94	93	27882.18	1	5731.49	1.7447	0.0303	0.0	0.0	4.95E-07	1.92E-05	2.04E-04	1.04E-03
11	8	3	. 2	16419.01	1	5732.16	1.7445	0.0609	0.0	1.31E-06	4.46E-05	3.33E-04	1.17E-03	2.726-03
7	4	48	49	12916.32		5732.61	1.7444	0.0303	2.43E-07	7.19E-05	1.06E-03	4.78E-03	1.21E-02	2.20E-02
1 1	9	62	61	23062.32		5732.75	1.7444	0.0303	0.0	8.63E-08	1.45E-05	2.81E-04	1.886-03	6.86E-03
7	4		113	31255.77	1	5733.67	1.7441	0.0303	0.0	0.0	0.0	1.74E-06	2.556-05	1.64E-04
8	5	50	89	23934.27		5733 <b>.</b> 95	1.7440	0.0303	0.0	0.0	5.17E-08	1.14E-06	8.23E-06	3.19E-05
10	7	14	15	14880 71	1	5734.99	1.7437	0.0597	0.0	1.80E-05	4.24E-04	2.54E-03	7.73E-03	1.61E-02

VU	VL	JU	JL	LOWER State	COOE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORE		EFFICIENT #	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
									-					
5	2	64	65	12244.32	1	5735.23	1.7436	0.0303	1.95E-07	4.196-05	5.26F-04	2.15E-03	5.09E-03	8.87E-03
11	ē	4	3	16429.71	î	5735.31	1.7436	0.0611	0.0	1.74E-06	5.96E-05	4.46E-04	1.58E-03	3.66E-03
3	ō	78	79	11904.34	1	5735.37	1.7436	0.0303	0.0	5.86E-06	6.77E-05	2.64E-04	6.05E-04	1.03E-03
8	5	21	22	11114.98	2	5735.63	1.7435	0.0496	0.0	3.94F-06	3.76E-05	1.31E-04	2.77E-04	4.46E-04
7	4	23	34	10334.05	2	5735.67	1.7435	0.0321	8.09E-08	6.93E-06	5.48E-05	1.70E-04	3.35E-04	5.11F-04
3	o	68	69	8746.33	2	5735.84	1.7434	0.0303	0.0	1.17E-06	6.34E-06	1.575-05	2.65E-05	3.625-05
11	8	61	60	22850.43	ī	5735.96	1.7434	0.0303	0.0	1.03E-07	1.64E-05	3.08E-04	2.02E-03	7.26E-03
10	7	εc	79	25579.62	ì	5735.98	1.7434	0.0303	0.0	0.0	2.85F-06	7.96E-05	6.77E-04	2.94E-03
	5	38	39	13299.95	1	5736.79	1.7431	0.0303	2.00F-07	7.13E-05	1.156-03	5.49E-03	1.44E-02	2.69E-02
9	¨6	27	28	13935.53	1	5737.06	1.7431	0.0379	9.77E-08	4.726-05	6.88E-04	4.64E-03	1 29E-02	2.52F-02
6	3	56	57	12465.57	1	5737.19	1.7430	0.0303	2.75E-07	6.58E-05	8.70E-04	3.68E-03	- 8.89E-03	1.57E-02
6	3	43	44	9732.40	2	5737.25	1.7430	0.0303	1.26E-07	8-11E-06	5.56E-05	1.58E-04	2.94E-04	4.30E-04
5	2	52	53	9287.54	2	5737.75	1.7428	0.0303	1.28E-07	6.64E-06	4.09E-05	1 . 09E-04	1.94E-04	2.76E-04
4	1	71	72	11986.02	1	5737.76	1.7428	0.0303	1.15E-07	2.17E-05	2.56E-04	1.01E-03	2.33E-03	3,995-03
	£	1 C 4	1 C3	29402.14	1	5738.14	1.7427	0.0303	0.9	0.0	1.38E-07	6.69E-06	8.20E-05	4.636-04
9	6	93	92	27563.95	1	5738.34	1.7427	0.0303		0.0	6.06E-07	2.25E-05	2.31E-04	1.15E-03
11	8	5	4	16443.96	1	5738.35	1.7427	0.0614	0.0	2.17E-06	7.46E-05	5.59E-04	1.98E-03	4.60F-03
6	3	122	121	32611.84	1	5738.52	1.7426	0.0303	0.0	0.0	0.0	5.30E-07	8.84E-06	6.22E-05
. 11.	8	έ¢	59	22641.83	1	5739.05	1.7424	0.0303	0.0	1.21E-07	1.84E-05	3.37E-04	2.16E-03	7.67E-03
8	5	89	88	23637.53	2	5739.79	1.7422	0.0303	0.0	0.0	6.27E-08	1.32E-06	9.30E-06	3.53E-05
	1	€¢	61	8905.12	2	5739.85	1.7422	0.0303	9.09E-08	3.92E-06	2.20E-05	5.57E-05	9.54E-05	1.32E-04
#4 10 50 8	7	13	14	14826.79	1	5740.04	1.7421	0.0604	0.0	1.786-05	4.15E-04	2.46E-03	7.47E-03	1.557-02
<u>ව</u>	5	20	21	11037.95	2	5741.17	1.7418	0.0515	0.0	4.09E-06	3.83E-05	1.32E-04	2.77E-04	4.44E-04
7	4	47	48	12737.67	1	5741.17	1.7418	0.0303	3.10E-07	8.43E-05	1.19E-03	5.23E-03	1.30E-02	2.34E-02
10	7	79	78	25307.56	1	5741.22	1.7418	0.0303	0.0	0.0	3.39E-06	9.10E-05	7.53E-04	3.21F-73
11	8	6	5	16461.79	1	5741.28	1.7418	0.0617	0.0	2.59E-06	8.94E-05	6.72E-04	2.38E-03	5.548-03
	£	59	58	22436.54	1	5742.02	1.7415	0.0303	0.0	1.440-07	2.08E-05	3.695-04	2.32E-03	8.13E-03
7	4	32	23	10214.39	2	5742.37	1.7414	0.0326	9.39E-08	7.59E-06	5.84E-05	1.78E-04	3.46E-04	5.24E-04
. 7		113	112	30872.70	1	5742.84	1.7413	0.0303	0.0	0.0	0.0	2.13E-06	3.01E-05	1.88E-04
s	6	26	27	13834.28	1	5743.47	1.7411	0.0398	1-10E-07	5.07E-05	9.30E-04	4.79E-03	1.326-02	2.56E-02
11	8	7	6	16483.18	1	5744.11	1.7409	0.0620	0.0	3.00E-06	1.04E-04	7.83E-04	2.78E-03	6.47E-03
Ę	5	37	38	13158.27	1	5744.33	1.7408	0.0303	2.41E-07	8.02F-05	1.256-03	5.85E-03	1.51E-02	2.80E-02
	8	56	57	22234.55	1	5744.89	1.7407	0.0303	0.0	1.70E-07	2.34E-05	4.04E-04	2.49E-03	8.60E-03
6	3	42	43	9576.89	2	5744.92	1.7407	0.0303	1.56E-07	9.28E-06	6 • 1 2E - 05	1.70E-04	3.12E-04	4.52F-04
10	7	12	13	14776.45	1	5744.99	1.7406	0.0610	0.0	1.75E-05	4.03E-04	2.38E-03	7.17E-03	1.48E-02
9	6	ç 2	91	27248.71	1	5745.07	1 • 7406	0.0303	0.0	0.0	7.405-07	2.63E-05	2.62F-04	1.28E-03
. 5	2	63	64	12005.71	1	5745.41	1.7405	E0E0.0	2.72E-07	5.22E-05	6 • 1 8E-04	2.44E-03	5.65E-03	9.69E-03
8	s	83	67	23343.78	2	5745.52	1.7405	0.0303	0.0	0.0	7.58E-08	1.53E-06	1.05E-05	3.90E-05
3	Q	67	68	8500.09	2	5745.87	1.7404	0.0303	4 • 14E-08	1.47F-06	7.50E-06	1.79E-05	2.95E-05	3.97E-05
8		E01		29051.07	1	5746.15	1.7403	0.0303	0.0	0.0	1.74E-07	8.00E-06	9.49E-05	5.23E-04
. 5	2	51	52	9099.53	2	5746.28	1.7403	0.0303	1.66E-07	7.87E-06	4.63E-05	1.20E-04	2.10E-04	2 • 95E-04
10	7	78	77	25038.44	1	5746.35	1.7402	0.0303	0.0	0.0	4.02E-06	1 • 04 E-04	8.37E-04	3.50E-03
6	3	5.5	56	12256.95	1	5746.57	1.7402	0.0303	3.69E-07	7.96E-05	1.00E-03	4.11E-03	9.74E-03	1.70E-02
e	5	15	20	10964.39	2	5746.62	1.7402	0.0535	0.0	4.22E-06	3.89E-05	1.325-04	2.76E-04	4.40E-04
11	8	3	7	16508-13	1	5746.84	1.7401	0.0623	0.0	3.38E-06	1 - 1 85-04	8 • 92E-04	3.17E-03	7.418-03
. 3	9 8	77 57	78	11612.75	1	5746.94	1.7401	0.0303	4.85E-08	7.70E-06	8.3CE-05	3.10E-04	6.91E-04	1.15F-03
. 11			56	22035.89	1	5747.64	1.7398	0.0303	0.0	2.01E-07	2.63E-05	4.41E-04	2.67E-03	9.09E-03
6			120	32203.01	1	5748.64	1.7395	0.0303	0.0	0.0	0.0	6.53E-07	1.05E-05	7.16E-05
4 7	1	70 31	71 32	11720.90	1	5748.64	1.7395	0.0303	1.66E~07	2.78E-05	3.08E-04	1 • 1 7E-03	2.63E-03	4-425-03
•	1	59 51	60	10098+21	2	5748.99	1.7394	0.0331	1.08E-07	8.29E-06	6.20E-05	1.86E-04	3.58E-04	5.37E-04
<del>4</del>	6 T	5	8	8687.99	2	5749.13	1.7394	0.0303	1.23E-07	4.77E-06	2.55F-05	6.24E-05	1.05E-04	1 - 43E-04
11	4	46	47	16536.64 12562.54	1. 1	5749.45	1.7393	0.0524	0.0	3.74E-06	1.31E-04	9.97E-04	3.56E-03	8.32E-03
•	-	46		16302404	•	5749.64	1.7392' '	0.0303	3.93E-07	9.84E-05	1.33E-03	5.71E-03	1.39F-02	2.48E-02

-	٧U	۷L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATE	ED ** ABSORT		EFFICIENT **	******
					ENERGY		, CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	$\tau = 3000$	T = 3500
	9	6	25	26	13736.61	1	5749.78	1.7392	0.0418	1.23E-07	5.41F-05	9.716-04	4.93E-03	1.35E-02	2.606-02
	10	7	11	12	14729.70	1	5749.83	1.7392	0.0617	0.0	1.716-05	3.885-04	2.27E-03	6.826-03	1.41E-02
	. 11	8	56	55	21840.56		5750.28	1.7390	0.0303	0.0	2.35E-07	2.95E-05	4 • 80E - 04	2.85E-03	9.59E-03
	8	5	€7	66	23053.02		5751.14	1.7388	0.0303	0.0	0.0	9.15E-08	1 • 77E - 06	1.18E-05	4.305-05
	10	7	77	76	24772.47	1	5751.35	1.7387	0.0303	0.0	0.0	4.75E-06	1.18E-04	9.28E-04	3.81F-73
	9	6	51	90	26936.49	1	5751.68	1.7386	0.0303	0.0	0.0	9.02E-07	3.06E-05	2.96E-04	1.41E-03
	8	5	36	37	13020.16		5751.78	1.7386	0.0308	2.86E-07	8.98F-05	1.36F-03	6.21E-03	1.58E-02	2.91E-02
	7		112		30492.39	1	5751.90	1.7386	0.0303	0.0	0.0	4.59E-08	2.60E-06	3.54E-05	2-15E-04
	e 11	5 8	1 E 1 C	19 9	10894.32		5751.96	1.7385	0.0552	0.0	4.33E-06	3.92E-05	1.32E-04	2.74F-04	4.34E-04
	6	3	41	42	16568.71 9424.83	1 2	5751.97	1.7385	0.0624	0.0	4.07E-06	1.44E-04	1.105-03	3.94E-03	9.23E-03
	11	8	55	54	21648.56		5752.49 5752.80	1.7384 1.7383	0.0303 0.0303	1.91E-07	1.06E-05 2.75E-07	6.72E-05	1 • 83E-04	3.30E-04 3.04E-03	4.73E-04 1.01E-02
,	8		102		28702.89	1	5754.04	1.7379	0.0303	0 • 0 9 • 0	0.0	3.29E-05 2.18E-07	5.22E-04 9.55E-06	1.10E-04	5.896-04
	11	8	11	10	16604.34	i	5754.37	1.7378	0.0625	0.0	4.38F-06	1.56E-04	1.205-03	4.30E-03	1.01E-02
	10	7	10		14686-54	ī	5754.58	1.7377	0.0625	0.0	1 • 64E = 05	3.70E-04	2.15E-03	6.44E-03	1.330-02
	5	2	50	51	8914.94	2	5754.71	1.7377	0.0303	2.14E-07	9.29E-06	5.23E-05	1.32E-04	2,27E-04	3.15F-04
	11	e	54	53	21459.91	1	5755.22	1.7376	0.0303	0.0	3.21E-07	3.67E-05	5.66E~04	3.24E-03	1.06E-02
	5	2	62	63	11770.57		5755.49	1.7375	0.0303	3.78E-07	6.47E-05	7.24E-04	2.77E-03	6.26E-03	1.06E-05
	7	4	30	31	9985.50		5755.50	1.7375	0.0335	1.24E-07	9.01F-06	6.56E-05	1 • 94E-04	3.68E-04	5.49F-04
	3	0	66	67	8257.20	2	5755.81	1.7374	0.0303	5.82E-08	1.84E-06	8.86E-06	2.04E-05	3.29E-05	4.35E-05
	6	3	54	55	12051.84	1	5755.85	1.7374	0 • 0 3 0 3	4.90E-07	9.61E-05	1.15E-03	4.58E-03	1.06E-02	1.83E-02
436	9	6	24	25	13642.53	1	5755.99	1.7373	0.0437	1.37E-07	5.75E-05	1.01E-03	5.06E-03	1.37E-02	2.62E~72
Ö	10	7	76	75	24509.67	1	5756.25	1.7372	0.0303	0.0	0.0	5.60E-06	1.34E-04	1.03E-03	4.15E-03
	8	5	86	85	22765.26	2	5756.64	1.7371	0.0303	0.0	2.0	1.10E-07	2.04E-06	1.336-05	4.74E-05
	11	8	12	11	16643.52		5756.67	1.7371	0.0617	0.0	4.65E-06	1.67E-04	1.29E-03	4.66E-03	1.10E-02
	8	5	17	18	10827.74		5757+22	1.7369	0.0568	4.07E-08	4.42E+06	3.93E-05	1.31E-04	2.70E-04	4.27E-04
	11		53	52	21274.62		5757.52	1.7369	0.0303	0.0	3.72E-07	4.07E-05	6.12E-04	3.44E-03	1.11E-02
	7	4	45	46	12390.96		5750.01	1.7367	0.0303	4.96E-07	1 • 1 4 E - 0 4	1.49E-03	6.22E-03	1.49E-02	2.62E-02
	5	6	90	89	26627.30		5758.18	1.7367	0.0303	0.0	0.0	1-10E-06	3.55E-05	3.34E-04	1.56E~03
	4	1	58	59	8474.25		5758.32	1.7366	0.0303	1.66E-07	5.82F-06	2.95E-05	7.00E-05	1 • 1 5E-04	1.55E-04
	3	0	76	77	11324.54		5758.42	1.7366	0.0303	7.30F-08	1.01E-05	1.01E-04	3.64E-04	7.89E-04	1.29E-03
	6 11		12C 13	12	31796.8b		5758.63	1.7365	0.0303	0.0	0.0	0.0	8.02E-07	1.24E-05	8.24E-05
		8 5	35	36	12885.61		5750.86 5759.13	1•7365 1•7364	0.0610 0.0312	0.0 3.43E-07	4.88E-06	1.78E-04	1.386-03	4.99E-03	1.18E-02
	10	7	Š	10	14646.97		5759.13	1.7363	0.0512	0.0	1.00E-04 1.56E-05	1.46E-03 3.49E-04	6.58E-03	1.655-02	3.01E-02 1.24F-02
-	4	i	69	70	11459.21		5759.43	1.7363	0.0303	2.40E-07	3.54E-05	3.49E-04	2.02E-03 1.35E-03	6.02E-03 2.96E-03	4.88F-03
	11	8	52	51	21092.69		5759.71	1.7362	0.0303	0.0	4.31E-07	4.51E-05	6.60E-04	3.65E-03	1.17E-02
	6	3	4 C	41	9276.23		5759.97	1.7361	0.0303	2.32E-07	1 20E-05	7.36E-05	1.96E-04	3.49E-04	4.95E-04
	7		111	110	30114.87		5760.84	1.7359	0.0303	0.0	0.0	5.90F-08	3.16E-06	4.16E-05	2.46E-04
	11	- · · · 8	14	13	16732.56		5760.95	1.7358	0.0604	0.0	5.08E-06	1.87E-04	1.46E-03	5.31E-03	1.26F-02
	10	7	75	74	24250.05	1	5761.02	1.7358	0.0303	0.0	0.0	6.58E-06	1.52E-04	1 - 14E-03	4.50F-03
	11	8	51	50	20914.12	1	5761.78	1.7356	0.0303	0.0	4.96E-07	4.98E-05	7.10E-04	3.86E-03	1.22E-02
	8	5	101	100	28357.62	1	5761.80	1.7356	0.0303	0.0	0.0	2.74E-07	1 • 1 4 E - 05	1.26E-04	6.64E-04
	7	4	29	30	9876-27	2	5761.93	1.7355	0.0340	1.42E-07	9.75E-06	6.91E-05	2.01E-04	3.78E-04	5.60F-04
	8	5	65	84	22480.53	2	5762.04	1.7355	0.0303	0.0	0.0	1.32E-07	2.36E-06	1.49E-05	5.21E-05
		6	23	24	13552.03		5762.10	1.7355	0.0457	1.51E-07	6.09E-05	1.04E-03	5.16E-03	1.39E-02	2.64F-02
_	8	5	16	17	10764.64		5762.38	1.7354	0.0585	4.25E-08	4.47E-06	3.92E-05	1.30E-04	2.66E-04	4.18E-04
	11	8	15	14	16782.41		5762.92	1.7352	0.0597	0.0	5.24E-06	1.95E-04	1.54E-03	5.62E-03	1.33E-02
	5	2	49	50	8733.79		5763.05	1.7352	0.0303	2.75E-07	1.096-05	5.89E-05	1.45E-04	2.45E-04	3.35E-04
	11	8	5C	49	20738.93		5763.74	1.7350	0.0303	0.0	• 5 • 70E-07	5.48E-05	7.62E-04	4.07E-03	1.27E-02
	10	7	3	9	14610.99		5763.76	1.7350	0.0624	0.0	1 • 47F-05	3.25E-04	1.87E-03	5.56E-03	1-14E-02
	9	6	89	88	26321.15		5764.55	1.7347	0.0303	0.0	0.0	1.34E-06	4.15E-05	3.79E-04	1.73E-03
	11	8	16	15	16835.81	1	5764.80	1.7347	0.0591	0.0	5.36E-06	2.02E-04	1.60E-03	5.90E-03	1.41E-02

v	U	VL.	JU	JL	LCWER State	CODE	WAVE NUMBER	WAVE	HALF	*****	** INTEGRATE	ED ** ABSOR		EFFICIENT *	*****
4					ENERGY		CN-1	LENGTH Micron	WIDTH H2	T = 1000	T = 1500	T = 2000	η-1 Τ = 2500	T = 3000	T = 3500
					ENERGI		CH-1	MICHUN	nz.	1 - 1000	1 = 1500	0003 - 1	1 2 2500	1 = 3900	1 = 3500
	6	3	53	54	11850.23	1	5765.03	1.7346	0.0303	6.49E-07	1.15F-04	1.32F-03	5.10E-03	1.16E-02	1.97F-02
	5	2	61	62	11538.91	1	5765.48	1.7345	0.0303	5.22E-07	7.99E-05	8.46F-04	3.13E-03	6.92E-03	1.15E-02
1		8	49	48	20567.13	1	5765.60	1.7344	0.0303	0.0	6.52E-07	6.026-05	8.16E-04	4.29E-03	1.325-02
	3	0	65	66	8017.69	2	5765.66	1.7344	0.0303	8.14E-08	2.30E-06	1.04E-05	2 • 32E-05	3.66E-05	4.76F-C5
	O	7	74	73	23993.62	ı	5765.69	1.7344	0.0303	0.0	0.0	7.72E-06	1 • 71 E - 04	1.25E-03	4•88E-03
	7	4	44	45	12222.92	1	5766.28	1.7342	0.0303	6.23E-07	1.32E-04	1.65E-03	6.75E-03	1.59E-02	2.776-02
	8	5	34	35	12754.63	į	5766.37	1.7342	0.0317	4.05E-07	1 • 11E-04	1.57F-03	6.94E-03	1.73E-02	3.11E-02
	1	8	17	16	16892.75	1	5766.56	1.7341	0.0585	0.0	5.45E-06	2.08E-04	1.67E-03	6.16E-03	1.47E-02
	8	5	€4	83	22198.82	2	5767.33	1.7339	0.0303	0.0	0.0	1.58E-07	2.71E-06	1.66E-05	5.73E-05
	1	8	48	47	20398.72	1	5767.34	1.7339	0.0303	0.0	7.43E-07	6.58E-05	8.72E-04	4.51E-03	1.376-02
	6	3	35	40	9131.08	2	5767.36	1 • 7339	0.0303	2.81E-07	1.35E-05	8.03E-05	2.10E-04	3.68E-04	5 • 17E-04
	4	1	57	58	8263.93	2	5767.42	1.7339	0.0303	2.23E-07	7.06E-06	3.40E-05	7.84E-05	1.27E-04	1.68F-94
	8	5	15	16	10705.04	2	5767.44	1.7339	0.0591	4.40E-08	4.50E-06	3.89E-05	1 • 28E-04	2.60E~04	4.07F-04
	ç	6	25	23	13465.12	1	5768.10	1.7337	0.0476	1.66E-07	6.40E-05	1.08E-03	5 • 25E-03	1.40E-02	2.65F-02
<u>1</u>		7.			. 14578-61	1	5768.19	1.7336	0.0623	0.0	1.36E-05	2.9BF-04	1.71E-03	5.06E~03	1.03E-02
	1	8	16	17	16953.25	1	5760.22	1.7336	0.0568	0.0	5.50E-06	2.13E-04	1.72E-03	6.39E-03	1.546-02
	7	4	28	29	9770-52	2	5768.25	1.7336	0.0359	1.61E-07	1 • 05E-05	7.29E-05	2.09E-04	3.89E-04	5.71F-04
	6			118	31393.38	1	5768.51	1.7336	0.0303	0.0	0.0	0.0	9.94E-07	1.48F-05	9.55E-05
, 1		. 8	47	46	20233.70	1	5768.96	1.7334	0.0303	0.0	8.43E-07	7.18E-05	9.298-04	4.73E-03	1.428-02
	5		127		32884.54	1	5769.09	1.7334	0.0303	0.0	0.0	0.0	2.53E-07	4.33E-06	3.10E-05
.N.		. , 5		99	28015.28	1	5769.45	1.7333	0.0303	0.0	0.0	3.42E-07	1.355-05	1.45E-04	
	7		11C		29740.16	1	5769.65	1.7332	0.0303	0.0	0.0	7.57E-08	3.84E-06	4.87E-05	2.81F-04
-		8	19	18	17017-28	1	5769.77	1.7332	0.0552	0.0	5.51E-06	2 • 17E-04	1.77E-03	6.61E-03	1.60E-02
	3	0	75	76	11039.74	1	5769.81	1.7332	0.0303	1.09E~07	1.32E-05	1 - 24E-04	4.26E-04	8.98E-04	1-44E-03
	4	1	33	65	11200.97	1	5770.12	1.7331	0.0303	3.456-07	4.50E-05	4.39E-04	1.55E-03	3.32E-03	5.38E-03
	0	7	73	72	23740.39	1	5770.23	1.7330	0.0303	0.0	4.57E-08	9.02E-06	1 • 93E-04	1.38E-03	5.28E-03
1		e	46	45	20072.09	1	5770.48	1.7330	0.0303	0.0	9.53E-07	7.81E-05	9.87E-04	4.958-03	1.47E-02
	9	6 8	86 20	67 19	26018.06	1	5770.81	1.7329	0.0303	0.0	0.0	1.63E-06	4.84E-05	4.29E-04	1.92E-03
1				45	17084.85	1	5771.21	1.7327	0.0535	0.0	5.49E-06	2.20E-04	1 - 81 E - 03	6.80E-03	1.65E-02
1	5	2	48 45	44	8556.07	2	5771.30	1.7327	0.0303	3.51E-07	1.28E-05	6.62E-05	1.59E-04	2.64E-04	3.576-04
	8	5	14	15	19913.90 10648.93	1 2	5771.88	1.7325	0.0303 0.0597	0.0	1.07E-06 4.49E-06	8.47E-05	1.05E-03	5.17E-03	1.52F-02
	8	. 5	83	55	21920.16	2	5772.40 5772.51	1.7324 1.7323	0.0303	4.51E-08 0.0	0.0	3.835-05	1.25E-04	2.536-04	3.94E-04
1		7	6	7	14549.82	1	5772.52	1.7323	0.0620	0.0	1.23E-05	1.89E-07 2.69E-04	3.11E-06 1.53E-03	1.86E-05 4.53E-03	6.285-05
i		8	21	20	17155.96	i	5772.54	1.7323	0.0515	0.0	5.43E-06	2.21E-04	1.84E-03	6.97E-03	9.24E-03
1		8	44	43	19759.12	i	5773 • 18	1.7321	0.0313	0.0	1.20E-06	9.16E-05	1.11E-03	5.38E-03	1.70E-02 1.57E-02
	8	5	33	34	12627.23	ì	5773.52	1.7320	0.0303	4 • 76E-07	1.23E~04	1.69E-03	7.31E-03	1.795-02	3.21E-02
1		8	22	21	17230.61	î	5773.77	1.7320	0.0496	0.0	5.35E-06	2.22E-04	1.86E-03	7.11E-03	1.74F-02
*** *** *		6	21	22	13381.82	i	5774.01	1.7319	0.0496	1.81E-07	6.70E-05	1.105-03	5.32E-03	1.41E-02	2.65E-02
*** *** *	6	3	52	53	11652.14	1	5774.12	1.7319	0.0303	8.54E-07	1.38E-04	1.50E-03	5.66E-03	1.26E-02	2.12F-02
1		ē	43	42	19607.77	1	5774.36	1.7318	0.0303	0.0	1.35E-06	9.87E-05	1.17E-03	5.59E-03	1.61E-02
	7	4	43	44	12058.43	ī	5774.45	1.7318	0.0303	7.78E-07	1.53E-04	1.83E-03	7.31E-03	1.70E-02	2.925-02
	7	4	27	28	9668.25	2	5774.49	1.7318	0.0379	1.82E-07	1.14E-05	7.66E-05	2.16E-04	3.99E-04	5.82E-04
1		7	72	71	23490.38	i	5774.66	1.7317	0.0303	0.0	5.66E-08	1.05E-05	2 • 17E-04	1.51E-03	5.70E-03
	6	3	3 E	39	8989.41	2	5774.66	1.7217	0.0303	3.39E-07	1.52E-05	8.73E-05	2.24E-04	3.87F-04	5.38E-04
1		8	23	22	17308.79	1	5774.89	1.7316	0.0476	0.0	5.23E-06	2.21E-04	1.88E-03	7.225-03	1.78F-02
	5	2	ėc	61	11310.73	1	5775.37	1.7315	0.0303	7.16E-07	9.83E-05	9.865-04	3.53E-03	7.64E-03	1.256-02
	3	0	64	65	7781.55	2	5775.42	1.7315	0.0303	1.13E-07	2.85E-06	1.22E-05	2.63E-05	4.06E-05	5.20E-05
1		8	42	41	19459.85	1	5775.43	1.7315	0.0303	0.0	1.50E-06	1.06E-04	1.23E-03	5.80E-23	1.66E-02
1		a	24	23	17390.49	1	5775.90	1.7313	0.0457	0.0	5.10E-06	2.20E-04	1.89E-03	7.31E-03	1.81E-02
. 1		8	41	40	19315.37	1	5776.39	1.7312	0.0303	0.0	1.66E-06	1.14E-04	1.29E-03	6.00E-03	1.70E-02
-	4	1	56	57	8057.01	2	5776.43	1.7312	0.0303	2.97E-07	8.54E-06	3.92E-05	8.77E-05	1.39E-04	1.81E-04
1	0	7	5	6	14524.62	1	5776.74	1.7311	0.0617	0.0	1.09E-05.	2.37E-04	1.35E-03	3.96E-03	8.07E-03
											4				

VU	, VL	าน	J٤	LOWER STATE	CODE	WAVE Number	WAVĖ LENGTH	HÂLF WIOTH	****	** INTEGRATE	D ** ABSORP		FFICIENT **	*****
				ENERGY		C#-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
11	8		24	17475.72		5776.80	1.7311	0.0437	0.0	4.94E-06	2.17E-04	1.89E-03	7.38E-03	1.84E-02
9	6		86	25718.04	1	5776.96	1.7310	0.0303	0.0	0.0	1.98F-06	5.63E-05	4.85E-04	2 • 13E -03
е	. 5		58	27675.87		5776.98	1.7310	0.0303	0.0	0.0	4.26E-07	1.61E-05	1.67E-04	8.38E-04
11	٤		39	19174-33	1	5777.24	1.7309	0.0303	0.0	1.83E-06	1.215-04	1.35E-03	6.19E-03	1.73E-02
8	5		14	10596.32	2	5777.28	1.7309	0.0604	4.58E-08	4.45E-06	3.75F-05	1.21E-04	2-44E-04	3.79E-04
8	5		81	21644.55	ے	5777.59	1.7308	0.0303	0.0	0.0	2.25E-07	3.56E-06	2.07E-05	6.87E-05
. 11	٤		25	17564.47	1	5777.59	1.7308	0.0418	0.0	4.76E-06	2.14E-04	1 - 88E-03	7.42E-03	1.86E-02
11	8	39 118	38	19036.74	1	5777.98	1.7307	0.0303	0.0	2.02E-06	1-29E-04	1.40E-03	6.37E-03	1.77E-02
6_ 11	8		26	30992.61 17656.73	1	5778.26	1.7306	0.0303	0.0	0.0	0.0	1 • 23E-06	1.76E-05	1-11E-04
**7		105		29368.25	1	5778.28 5778.35	1.7306 1.7306	0.0398 0.0303	0.0	4.56E-06 0.0	2.09E-04	1 • 87E-03	7.44E-03	1.88E-02
11	8		37	18902.61	ì	5778.61	1.7305	0.0303	0.0	2.21E-06	9.69E-08 1.37E-04	4.66E-06	5.70E-05	3-215-04
ii	٤		27	17752.52	i	5778.86	1.7304	0.0379	0.0	4.35E-06	2.05E-04	1.46E-03 1.85E-03	6.54E-03 7.43E-03	1.80E-02 1.89E-02
10	7		70	23243.58	i	5778.98	1.7304	0.0303	0.0	6.98E-08	1.22E-05	2.44E-04	1.66E-03	6.14E-03
11	8		36	18771.94	i	5779.13	1.7304	0.0308	0.0	2.41E-06	1.44E-04	1.51E-03	6.70E-03	1 • 83E-02
11	8		28	17851.80	ī	5779.32	1.7303	0.0359	0.0	4.138-06	1.99E-04	1.83E-03	7.40E-03	1 - 89E-02
5	2		48	8381.80	2	5779.46	1.7303	0.0303	4.45E-07	1.50E-05	7.416-05	1 • 74E-04	2.84E-04	3.79E-04
11	8	36	35	18644.73	1	5779.54	1.7302	0.0312	0.0	2.61E-06	1.52E-04	1.57E-03	6.85E-03	1.85E-02
11	8	30	29	17954.60	1	5779.68	1.7302	0.0340	0.0	3.91E-06	1.93E-04	1.80E-03	7.35E-03	1.89E-02
5	2	126	125	32458.27	1	5779.79	1.7302	0.0303	0.0	0.0	0.0	3-15E-07	5.19E-06	3.61E-05
9	6	20	21	13302.10	1	5779.81	1.7302	0.0515	1.95E-07	6.97E-05	1.136-03	5.37E~03	1.41E-02	2.64E-02
#4 11 8 11	ε	35	34	18521.00	1	5779.84	1.7302	0.0317	0.0	2.83F-06	1.60E-04	1.61E-03	6.98E-03	1.87E-02
	ε		30	18060.90	1	5779.93	1.7301	0.0335	0.0	3.70E-06	1.87E-04	1.77E-03	7.32E-03	1.90E-02
11	8		33	18400.75	1	5780.02	1.7301	0.0321	0.0	3.04E-06	1.67E-04	1.66E-03	7.09E-03	1.88E-02
11	8		31	18170.69	1	5780.07	1.7301	0.0331	0.0	3.48E-06	1.81E-04	1.74E-03	7.26E-03	1.90E-02
11	8		32	18283.98	1	5780.10	1.7301	0.0326	0.0	3.26E-06	1.74E-04	1.70E-03	7.18E-03	1.89E-02
8	5		23	12503.41	1	5780.57	1.7299	0.0326	5.55E-07	1.35E-04	1.80E-03	7.67E-03	1.86E-02	3.30E-02
7	4		27	9569.48	2	5780.63	1.7299	0.0398	2.05E-07	1.22E-05	8.01E-05	2.23E-04	4.08E-04	5.91E-04
4	1		68	10946.18	1	5780.71	1.7299	0.0303	4.94E-07	5.69E-05	5.23E-04	1.78E-03	3.72E-03	5.92E-03
10	7		5	14503.03	1	5780.87	1.7298	0.0614	0.0	9.36E-06	2.02E-04	1.14E-03	3.36E-03	6.84E-03
3	0		75	10758.35	1	5781.10	1.7298	0.0303	1.62E-07	1.71E-05	1.50E-04	4.97E-04	1.02E-03	1.61E-03
6	3		38	8851.20	ے	5781.86	1.7295	0.0303	4.06E-07	1.715-05	9-475-05	2.38E-04	4 • 06E-04	5.59E-04
8 7	5		13	10547.20	یے	5782.05	1.7295	0.0610	4.61F-08	4.37E-06	3-64E-05	1 • 17E-04	2.34E-04	3.63E-04
é	5		64 80	11897.51	1	5782.52	1.7293	0.0303	9.65E-07	1.76E-04	2.03E-03	7.90E-03	1.81E-02	3.08E-02
9	6		85	21372.00 25421.09	2 1	5782.55 5782.98	1.7293	0.0303	0.0	0.0	2.685-07	4 • 07E-06	2.31E-05	7.51E-05
6	3		52	11457.59	1	5783.11	1.7292 1.7292	0.0303 0.0303	0•0 1•12E-06	0.0 1.65E-04	2.40E-06	6.54E-05	5.48E-04	2.35F-03
10	7		69	23000.01	1	5783.18	1.7292	0.0303	0.0	8.58E-08	1.71E-03 1.42E-05	6.26E-03	1.37E-02	2.27E-02
8	5		97	27339.41	1	5784.39	1.7288	0.0303	0.0	0.0	5.298-07	2.73E-04 1.90E-05	1.87E-03 1.92E-04	6-61E-03 9-39E-04
10	7		4	14485.03	i	5784.88	1.7286	0.0611	0.0	7.68E-06	1.65E-04	9.33E-04	2.74E-03	5.56F-03
3	ď		64	7548.79	2	5785.09	1.7286	0.0303	1.57E-07	3.53E-06	1.43E-05	2.98E-05	4.49E-05	5.67E-05
5	2		€C	11086.05	1	5785.17	1.7286	0.0303	9.78E-07	1.21E-04	1.15E-03	3.97E-03	8.42E-03	1.35E-02
4	1		56	7853.51	2	5785.35	1.7285	0.0303	3.95F-07	1.03E-05	4.49E-05	9.77F-05	1.52E-04	1 • 95E-0/4
ç	6		20	13225.99	1	5785.51	1.7285	0.0535	2.09E-07	7.21E-05	1.148-03	5.40E-03	1.40E-02	2.62E-02
7	4		26	9474.20	2	5786.68	1.7281	0.0418	2.29E-07	1.30E-05	8.35E-05	2.29E-04	4 - 15E-04	5.98E-04
8	5		12	10501.59	2	5786.73	1.7281	0.0617	4.58E-08	4.25E-06	3.51E-05	1.125-04	2 23E-04	3.44E-04
7	4		107	28999.19	1	5786.92	1.7280	0.0303	0.0	0.0	1.24E-07	5.65E-06	6.67E-05	3.66E-04
10	7	65	68	22759.69	1	5787.26	1.7279	0.0303	0.0	1.05E-07	1 • 64E-05	3.06E-04	1.98E-03	7.10E-03
8	9	εc	79	21102.53	2	5787.40	1.7279	0.0303	0.0	0.0	3.18E-07	4.65E-06	2.576-05	8.20F-05
8	5		32	12383.18	1	5787.51	1.7279	0.0331	6.45E-07	1.48E-04	1.92E-03	8.03E-03	1.936-02	3.39E-02
5	2	46	47	8210.98	2	5787.53	1.7279	0.0303	5.62E-07	1.74E-05	8.27E-05	1 -89E-04	3.04E-04	4.01E-04
6	3	117	116	30594.55	1	5787.89	1.7277	0.0303	0.0	0.0	0.0	1.525-06	2.096-05	1-28E-04
10	7	2	3	14470.63	1	5788.80	1.7275	0.0609	0.0	5.89E-06	1.26E-04	7.11E-04	2.08E-03	4-23E-03

	VU	VI	JO	.lt	LCWER State	CODE	WAVE Number	WAVE LENGTH	HALF Width	******	** INTEGRAT	FD ** ABSOR CM*G		EFFICIENT *	****
					ENERGY		CM-1	MICRON	. н2	T = 1000	T = 1500	T = 2000	T = 2500	τ = 3000	T = 3500
	9	6	65	84	25127.25	1	5788.89	1.7274	0.0303	0.0	0.0	2 005-06	7 595-05	4 175 01	2 (25 27
	6	3	36	37	8716.48	2	5788.97	1.7274	0.0308	4.83E-07	1.91E-05	2.90E-06 1.02E-04	7.58E-05 2.52E-04	6.17E-04	2.60E-03
	5.		125		32034.61	1	5790.36	1.7270	0.0303	0.0	0.0	0.0	3.92E-07	4-24E-04	5.80E-04
	7	4	41	42	11740-14	ī	5790.50	1.7270	0.0303	1.19E-06	2.01E-04	2.23E-03	8.51E-03	6.20E~06	4.19E-05
	9	Ć.	16	19	13153.48	1	5791.11	1.7268	0.0552	2.23E-07	7.41E-05	1.16E-03	5.40E-03	1.92E-02	3-23E-02
	4	1	66	67	10694.85	ī	5791.22	1.7268	0.0303	7.02E-07	7.18E-05	6+21E-04			2.59E-02
	10	7	6.8	67	22522.63	ì	5791.24	1.7267	0.0303	0.0	1.285-07	1.89E-05	2.04E-03 3.41E-04	4.15E-03	6.51E-03
	8	5	10	11	10459.48	2	5791.31	1.7267	0.0625	4.50E-08	4+10E-06	3.34E-05	1 • 06E-04	2.16E-03	7.61E-03
	_8_	5.	<b>\$7</b> .	. 96	27005.92	1	5791.68	1.7266	0.0303	0.0	0.0	6.56E-07	2.25E-05	2.11E-04 2.19E-04	3.24E-04 1.05E-03
	6	3	50	51	11266.57	1	5792.00	1.7265	0.0303	1.46E-06	1.96E~04	1.945-03	6.91E-03	1.49E~02	2.43E-02
	8	5	79	78	20836.14	2	5792-15	1.7265	0.0303	0.0	0.0	3.76E-07	5.29E-06	2.85E~05	8.94E-05
	3	0	73	74	10480.37	1	5792.30	1.7264	0.0303	2.41E-07	2.22E-05	1 82E-04	5.80E-04	1.16E-03	1.798-03
	10	7	1	2	14459.83	1	5792.61	1.7263	0.0606	0.0	4.00E-06	8.53E-05	4.81E-04	1 +41E-03	2.85E-03
•	7	4	24	25	9382.42	2	5792.63	1.7263	0.0437	2.54E-07	1.38E-05	8.67E-05	2.35E-04	4.22E-04	6.03E-04
		. 4.	52	.92	22986.86	_2	5793.69	1.7260	0.0303	0.0	0.0	6.79E-08	1.30E-06	8.63E-06	3.14E-05
	4	1	54	55	7653.44	2	5794.18	1.7259	0.0303	5.22E-07	1.24E-05	5.14E-05	1.09E-04	1 .65E-04	2-10E-04
	6	5	30	31	12266.54	1	5794.36	1.7258	0.0335	7.44E-07	1.61E-04	2.04E-03	8.37E-03	1.99E-02	3.47E-02
	9	6	€4	E3	24836.50	1	5794.68	1 • 7257	0.0303	0.0	0.0	3.49E-06	8.76E-05	6.94E-04	2.87E-03
	3	0	62	€3	7319.43	2	5794.68	1.7257	0.0303	2.16E-07	4.36E-06	1.67E-05	3.37E-05	4.96E-05	6-17E-05
	5	2	58	5 9	10864.87	1	5794.87	1.7257	0.0303	1.33E-06	1-48E-04	1.335-03	4.48E-03	9.29E-03	1.47E-02
	10	~ 7	67	66	22288.82	1	5795.09	1.7256	0.0303	0.0	1.56E-07	2.186-05	3.79E-04	2.35E-03	8.15E-03
439	7		1 C 7		28632.97	1	5795.37	1.7255	0.0303	0.0	0.0	1.58E-07	6.82E-06	7.78E-05	4 . 17E-04
_ 9	. 5	2	4 =	46	8043.62	2	5795.50	1.7255	0.0303	7.06E-07	2.01E-05	9.21E-05	2.06E-04	3.25E-04	4.24E-04
	8	5	9	10	10420.87	2	5795.80	1.7254	0.0624	4.37E-08	3.90E-06	3-15E-05	9 • 91 E-05	1.97E-04	3.02E-04
	6	3	35	36	8585.23	2	5795.99	1.7253	0.0312	5.72E-07	2.12E-05	1-10E-04	2.66E-04	4 - 43E-04	6.00E-04
	10	7	C	1	14452.63	1	5796.31	1.7252	0.0603	0.0	2.03E-06	4.325-05	2 • 43E-04	7.12E-04	1.44E-03
	9	6.	17		, 13084.58	1	5796.60	1.7251	0.0568	2.355-07	7.57E-05	1.165-03	5.376-03	1.38E-02	2.54E-02
	8	5	78	77	20572.85	2	5796.79	1.7251	0.0303	0.0	0.0	4.43E-07	6.01E-06	3.16E-05	9.725-05
				115	30199.23	1	5797.40	1.7249	0.0303	0.0	0.0	0.0	1.87E-06	2.47E-05	1.47E-04
	7	4	4 C		11586.35	1	5798.38	1.7246	0.0303	1 •46E-06	2.29E-04	2.45E-03	9.15E-03	2.03E-02	3.39F-02
	. 7	4 7	23	24	9294.14	2	5798.49	1.7246	0.0457	2.79E-07	1.45E-05	8.96E-05	2.40E-04 .	4 • 27E-04	6.07F-04
	10		66	65	22058.29	1	5798.83	1.7245	0.0303	0.0	1.89F-07	2.50E-05	4.21E-04	2.55E-03	8.71E-03
	e	5 4	56	95	26675.41	1	5798.85	1.7245	0.0303	0.0	0.0	8.125-07	2.65E-05	2.51E-04	1.175-03
	7	5	92 8	91 9	22678.24	2	5799.83	1.7242	0.0303	0.0	0.0	8.25E-08	1 • 51 E-06	9.74€-06	3.46E-05
- •	_8 9	6	23	82	10385.77 24548.88	2 1	5800.18	1.7241	0.0624	4.17E-08	3.66E-06	2.93E-05	9 • 19E-05	1.82E-04	2.78F-04
	6	3	45	5 C	11079.09	1	5800.36 5800.80	1.7240	0.0303	0.0	0.0	4.20E-06	1.01E-04	7.79E-04	3.15E-03
	5			123	31613.57	1	5800.82	1.7239 1.7239	0.0303	1.88E-06	2.31E-04	2.20E-03	7 • 61 E-03	1.61F-02	2.59E-02
	_ B,		29	30	12153.49	i	5801.11		0.0303	0.0	0.0	0.0	4.876-07	7+40E-06	4.866-05
-	8	- S	77	76	20312.67	2	5801.32	1.7238 1.7237	0.0340 0.0303	8.52E-07	1.75E-04	2.15E-03	8.71E-03	2.04E-02	3.54E-02
	4	1	65	66	10446.99	1	5801.62	1.7237	0.0303	0.0 9.94E-07	0.0 9.02F-05	5.21E-07	6.81E-06	3.49E-05	1.06F-^4
	9	6	16	17	13019.29	ī	5802.00	1.7235	0.0585	2.47E-07	7.68E-05	7.35E-04 1.16E-03	2.33E-03	4.64E-03	7-14F-03
	10	7	65	64	21831.04	1	5802.46	1.7234	0.0303	0.0	2.29E-07	2.86E-05	5.32E-03	1.36E-02	2.49E-02
	6	3	34	35	8457.48	2	5802.92	1.7233	0.0317	6.74E~07	2.35E-05	1 • 1 8E - 04	4 • 66E-04	2.76E-03	9.29E-03
	4	. 1	53	54	7456.80	2	5802.92	1.7233	0.0303	6.86E-07	1.48E-05	5.87E-05	2.81E-04 1.21E-04	4.62E-04	6.20E-04
	5	2	44	45	7879.72	2	5803.39	1.7231	0.0303	8.81E-07	2.33E-05	1.02E-04	2.23E-04	1.80E-04 3.47E-04	2.26F-04 4.48E-04
	3	0	72	73	10205.84	1	5803.40	1.7231	0.0303	3.54E-07	2.86E-05	2.20E-04	6.74E~04	1.31E-03	1.99E-03
	10	7	1	0	14449.03	1	5803.41	1.7231	0.0603	0.0	2.08E-06	4 • 4 2E = 05	2.49E-04	7.27E-04	1.47E-03
	7	4	166	105	28269.62	1	5803.71	1.7230	0.0303	0.0	0.0	2.00E-07	8.23E-06	9.06E-05	4.73E-04
	3	0	61	62	7093.47	2	5804.17	1.7229	0.0303	2.966-07	5.35F-06	1.95E-05	3.80E-05	5.48E-05	6.70E-05
	7.	4	22	23	9209.37	2	5804.25	1.7229	0.0476	3.05E-07	1.53F-05	9.22E-05	2 • 44E-04	4.31E-04	6.09F~04
	5	2	57	58	10647.20		5804.48	1.7228	0.0303	1.81E-06	1.81E-04	1.55E-C3	5.04E-03	1.02F-02	1.605-02
	8	5	7	в	10354.17		5804.48	1.7228	0.0623	0.0	3.38E-06	2.69E-05	8.39E-05	1.65E-04	2.53E-04

<b>ν</b> υ 	VI	. Ju	JL	LOWER State	CODE	WAVE NUMBER	WAVE Length	HALF WIÐTH	******	** INTEGRATE	ED ** ABSORE		EFFICIENT *:	*****
				ENERGY		C M-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
_														
8		76	75	20055.60		5805.74	1.7224	0.0303	0.0	0.0	6 • 1 2E-07	7.70E-06	3.85E-05	1.14E-04
7		91	90	22372.60	2	5805.86	1.7224	0.0303	0.0	0.0	1.0CE-07	1.76E-06	1-10E-05	3.82F-05,
<u>_</u> Ş.			81	24264.39		5 8 0 5 • 9 1	1.7224	0.0303	0.0	0.0	5.04E-06	1 • 1 6E-04	8.735-04	3.47E-03
8		95		26347.89	1	5805.91	1.7224	0.0303	0.0	0.0	1.00E-06	3.12E-05	2.86E-04	1.31F-03
10		7 64	63	21607.08		5805.98	1.7224	0.0303	0.0	2.75E-07	3.26F-05	5.14E-04	2.99E-03	9.89E-03
7		29	40	11436.14	1	5806.16	1.7223	0.0303	1.78E-06	2.60E-04	2.69E-03	9.81E-03	2.15E-02	3.54F-02
6			114	29806.66	1	58 <b>06.79</b>	1.7221	0.0303.	0.0	0.0	4.48F-08	2.30E-06	2.93€-05	1.70F-04
10		7 2	1	14452.63		5806.80	1.7221	0.0606	0.0	4.19E-06	8.92F-05	5.02E-04	1 • 47E-03	2.98F-03
<u> </u>			16	12957.61	1	5807.29	1.7220	0.0591	2.56E-07	7.74E-05	1.15E-03	5.23E-03	1.33E-02	2.43F-02
8		2 8		12044.05	1	5807.75	1.7218	0.0359	9.756-07	1.90E-04	2.28E-03	9.06E-03	2.106-02	3.62E-02
8		6		10326.08	2	5808.67	1.7216	0.0620	0.0	3.07F-06	2.42E-05	7.52E-05	1.4BE-04	2.26E-04 .
10		63	62	21386.43	1	5809.38	1.7214	0.0303	0.0	3.30E-07	3.71E-05	5.67E-04	3.22E-03	1.05F-02
6		3 48	49	10895.17		5809.50	1.7213	0.0303	2.43E-06	2.73E-04	2.48E-03	8.36E-03	1.74E-02	2.76E-02
6		3 33		8333.21		5805.75	1.7212	0.0321	7.88E-07	2.59E-05	1.27E-04	2.95E-04	4.79E-04	6.38E-04
7		21		9128.10	2	5809.92	1.7212	0.0496	3.328-07	1.59E-05	9.45E-05	2.47E-04	4.33E-04	6.08E-04
8		5 75		19801.66		581C.05	1 + 7212	0.0303	0.0	0.0	7.16E-07	8.69E-06	4.24E-05	1.24E-04
10		7 Э		14459.83		5810.08	1.7211	0.0609	0.0	6.31E-06	1.358-04	7.595-04	2.22E-03	4.51F-03
5			122	31195.18	1	5811.15	1.7208	0.0303	0.0	0.0	0.0	6.04E-07	8.81E-06	5.626-05
5		2 43		7719.30	ے	5811.18	1.7208	0.0303	1.095-06	2.67E-05	1-13E-04	2-41E-04	3.69F-04	4.71E-04
9		5 E.1	ΕO	23983.C4	1	5811.36	1.7208	0.0303	0.0	0.0	6.03E-06	1.34E-04	9.76F-04	3.80F-03
4		52		7263.61	2	5811.57	1.7207	0.0303	8.97E-07	1.76F~05	6.68E-05	1.33E-04	1.96E-04	2.42E-04
440 7		90	89	22069.95	2	5811.77	1.7206	0.0303	0.0	0.0	1.21E-07	2.03E-06	1 - 23E-05	4.21E-05
		105		27909.14	1	5811.92	1.7206	0.0303	0.0	0.0	2.54E-07	9.90E-06	1.05E-04	5.37E-04
4		64	65	10202.62	1	5811.93	1.7206	0.0303	1.40E-06	1.13E-04	8.68E-04	2.65E-03	5.16E-03	7.82E-03
9		5 14	15	12899.54	1	5812.48	1.7204	0.0597	2.638-07	7.74F-05	1.14F-03	5.12E-03	1.29E-02	2.35F-02
10		7 62	€ 1	21169.09	1	5812.66	1.7204	0.0303	0.0	3.95E-07	4.215-05	6.238-04	3.47E-03	1.12E-02
9			6	10301.50	2	5812.77	1.7204	0.0617	0.0	2.72E-06	2.136-05	6.60E-05	1.298-04	1.97E-04 .
8		5 54	93	26023.39	1	5812.84	1.7203	0.0303	0.0	0.0	1.23E-06	3.67E-05	3.25E-04	1.46E-03
10		7 4	3	14470.63		5813.26	1.7202	0.0611	0.0	8.42E-06	1.8CE-04	1.02E-03	2.98E-03	6.06E-03
3			61	6870.93	2	5 41 3 • 58	1.7201	0.0303	4+03E-07	6.56E-06	2.26E-05	4.27E-05	6.03E-05	7.26E-05
7		38	39	11289.51	1	5813.84	1.7200	0.0303	2.16E-06	2.94E-04	2.936-03	1.05E+02	2.26E-02	3.70E-02
5			57	10433.05	1	5813.99	1.7200	0.0303	2.44E-06	2.20E-04	1.79E-03	5.65E-03	1.12E-02	1-73E-02
Ϋ́		74	73	19550.86	2	5814.26	1.7199	0.0303	0.0	0.0	8.36E-07	9.79E-06	4.66E-05	1.34E-04
8		27	28	11938.21	1	5814.30	1.7199	0.0379	1-11E-06	2.05E-04	2.40E-03	9.40E-03	2.16E-02	3.69E-02
3	(		72	9934.75	1	5814.41	1.7199	0.0303	5.19E-07	3.69E-05	2.66E-04	7.81E-04	1.48E-03	2.21E-03
7			21	9050.34	2	5815.49	1.7195	0.0515	3.58E-07	1.66E-05	9.63E-05	2.49E-04	4.33E-04	6.06F-04
10		61	60	20955.06	1	5615.83	1.7194	0.0303	0.0	4.70E-07	4.76E-05	6.83E-04	3.73E-03	1.18E-02
6		114		29416.86	1	5816.06	1.7194	0.0303	0.0	0.0	5.81E-08	2.82E-06	3-46E-05	1.96E-04
i o		, 5 3 32	4	14485.03	1	5816.34	1.7193	0.0614	0.0	1.05E-05	2.26E-04	1.28E-03	3.75E-03	7.61E-03
			33	8212.45	2	5816.48	1.7193	0.0326	9.17E-07	2.84E-05	1.35E-04	3.09E-04	4.97E-04	6.56E-04,
9	•		79	23704.85	1	5816.68	1.7192	0.0303	0.0	0.0	7.19E-06	1.53E-04	1.09E-03	4.17E-03
8		4	5	10280.43	2	5816.77	1.7192	0.0614	0.0	2.33E~06	1.825-05	5.61E-05	1.10E-04	1-67E-04
9	•		14	12845.10	1	5 61 7 . 57	1.7189	0.0604	2.68E-07	7.68E-05	1.11E-03	4.98E-03	1.25E-02	2.27E-02
7			88	21770.31	2	5817.58	1.7189	0.0303	0.0	0.0	1.47E-07	2.375-06	1.39E-05	4.66E-05
. 6	_ 3		48	10714.80	1	5818.10	1.7188	0.0303	3.10E-06	3+20E-04	2.79E-03	9.16E-03	1.87E-02	2.94E-02
			72	19303.21	2	5818.36	1.7187	0.0303	0.0	0.0	9.74E-07	1.10E-05	5 • 1 2E - 0 5	1.45E-04
5			43	7562.35	2	5818.88	1.7185	0.0303	1.35E-06	3.06E-05	1.25E-04	2.60E-04	3.92E-04	4.96E-04
10	7		59	20744.37	1	5818.89	1.7185	0.0303	0.0	5.57E-07	5.37E-05	7.48E-04	4.00E-03	1.25E-02
1,0	7		5	14503.03	1	5819.31	1.7184	0.0617	0.0	1.25E-05	2.70E-04	1.53E-03	4.51E-03	9-17E-03
e.		5 93	92	25701.90	1	5819.66	1.7183	0.0303	0.0	0.0	1.51E-06	4.30E-05	3.70E-04	1.62F-03
	4	1 4		27551.57	1	5820.02	1.7182	0.0303	0.0	0.0	3.21E-07	1.196-05	1.22E-04	6.08E-04
4	1	51	52	7073.87	2	5820.12	1.7182	0.0303	1.17E-06	2.09E-05	7.58E-05	1.47E-04	2.12E-04	2.59E-04
8		3	4	10262.87	2	5820.67	1.7180	0.0611	0.0	1.91E-06	1.496-05	4.576-05	8.94E-05	1.36E-04

	VU	VL.	Jυ	JL	LOWER STATE	CODE	WAVE NUPBER	WAVE Length	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORI		EFFICIENT *	*****
					ENERGY		CH-1	MICRON	HS	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	a	5	26	27	11835.99	1	5820.75	1.7180	0.0398	1.25E-06	2.21E-04	2.51E-03	9.71E-03	2.21E-02	3-75F-12
	7	4	19	20	8976.10	2	5820.97	1.7179	0.0535	3.83E-07	1.71E-05	9.77E-05	2.50E-04	4.32E-04	6.01E-04
	., 5	2	122	121	30779.46	1	5821.36	1.7178	0.0303	0.0	0.0	0.0	7.47E-07	1.05E-05	6.50F-05
	7	4	37	38	11146.46	1	5 82 1 • 42	1.7178	0.0303	2.61E-06	3.31E-04	3.19E-03	1.12E-02	2.386-02	3.85E-02
	10	7	55	58	20537.02	1	5821.84	1.7177	0.0303	0.0	6.62E-07	6.07E-05	8.21E-04	4.30E-03	1.32E-02
	ç	6	75	78	23429.83	1	5821.89	1.7177	0.0303	0.0	4.67E-08	8.56E-06	1.75E-04	1.21E-03	4.56E-03
	4	1	63	64	9961.74	1	5822.15	1.7176	0.0303	1.96E-06	1.41E-04	1.02E-03	3.026-03	5.74E-03	8.55E-03
	10	7	7	_ 6	14524.62	1	5822+17	1.7176	0.0620	0.0	1.458-05	3.14E-04	1.79E-03	5.26E-03	1.07E-02
	8	5	.72	71	19058.71	2	5822.35	1.7175	0.0303	0.0	0.0	1.13E-06	1.23E-05	5.60E-05	1.56F-04
	9	6	12	13	12794.27	1	5822+55	1.7175	0.0610	2.70E-07	7.56E-05	1.08E-03	4.80E-03	1.20E-02	2.17E-02
	3	0	55	60	6651.80	2	5822.89	1.7174	0.0303	5.46E-07	8.00E-06	2.62E-05	4.79E-05	6.63E-05	7.865-05
	6	3	31	32	8095-19	2	5823.13	1.7173	0.0331	1.06E-06	3.10F-05	1.44E-04	3.23E-04	5.13E-04	6.72E-04
	7	4	8 8 5 5	<b>£7</b>	21473.68	2	5823.28	1.7172	0.0303 0.0303	0.0	0.0	1.78E-07	2.75E-06	1.57E-05	5.16F-05
	5	2 5	2	56 3	10222.44	1 2	5823.40 5824.48	1.7172 1.7169	0.0609	3.28E-06 0.0	2.67E-04 1.46E-06	2.06E-03 1.14E-05	6.33E-03 3.49E-05	1.23E-02	1.876-02
	8 10	7	58	57	20333.01	1	5824.67	1.7168	0.0303	0.0	7.85E-07	6.85E-05	8.99E-04	6.81E-05 4.62E-03	1.03E-04
	10	7	8	7	14549.82	ì	5824.93	1.7168	0.0623	0.0	1.63E-05	3.56E-04			1.40E-02 1.23F-02
	6		113		29029.84	1	5825.20	1.7167	0.0303	0.0	0.0	7.52E-08	2.03E-03 3.45E-06	6.01E-03 4.09E-05	2.256-04
	3	0	70	71	9667.11	i	5825.33	1.7166	0.0303	7.57E-07	4.73E-05	3.20E-04	9.048-04	1.67E~03	2.44F-03
	8	5	71	70	18817.38	2	5826.23	1.7164	0.0303	0.0	0.0	1.31E-06	1.38E-05	6-13E-05	1.67E-04
	7	4	18	19	8905.38	2	5826.35	1.7163	0.0552	4.07E-07	1.76E-05	9.875-05	2.50E-04	4.29E-04	5.94E-04
4	8	5	92	91	25383.46	1	5826.36	1.7163	0.0303	0.0	0.0	1.85E-06	5.02E-05	4.19E-04	1.80E-03
441	5	2	41	42	7408.88	2	5826.49	1.7163	0.0303	1.66E-06	3.49E-05	1.37E-04	2.80E-04	4-16E-04	5.20E-04
	6	3	46	47	10538.60	1	5826.60	1.7163	0.0303	3.95E-06	3.75E-04	3.12E-03	1.00E-02	2.01E-02	3.12E-02
	9	6	78	77	23157.98	ī	5826.98	1.7162	0.0303	0.0	5.92F-08	1.02E-05	2.00E-04	1.35F-03	4.97E-03
	e	5	25	26	11737.38	1	5827.09	1.7161	0.0418	1-40E-06	2.36E-04	2.62E-03	1.00E-02	2.26E-02	3.80E-02
	10	7	57		20132.36	1	5827.39	1.7160	0.0303	0.0	9.26F-07	7.70E-05	9+826-04	4.96E-03	1.486-02
	9	6	11	12	12747.07	1	5827.44	1.7160	0.0617	2.69E-07	7.36E-05	1.04E-03	4.59E-03	1.14E-02	2.06E-02
	10	7	S	8	14578.61	1	5827.58	1.7160	0.0624	0.0	1.81E-05	3.97E-04	2.28E-03	6.74E-03	1.38E-02
	7	4	1 C 3	102	27196.90	1	5827.99	1.7159	0.0303	0.0	0.0	4.05E-07	1.43E-05	1.42F-04	6.88E ¹ 04
	8	5	1	2	10238.29	2	5828.19	1.7158	0.0606	0.0	9.94E-07	7.69E+06	2.36E-05	4.60F-05	6•98E-05
	4	1	50	51	6887.58	2	5828.59	1.7157	0.0303	1.51E-06	2.48E-05	8.58E†05	1.62E-04	2.30E-04	2.77F-04
	. 7	4.	٤7		.21180.08	2	5828.87	1.7156	0.0303	0.0	0.0	2-15E+07	3.18E-06	1.77E-05	5.70E-05
	7	4	3€	37	11007.02	1	5828.90	1.7156	0.030B	3.13E-06	3.71E-04	3.46E+03	1.19E-02	2.50E-02	4.00E-02
	6	3	0E	31	7981.43	2	5829.68	1.7154	0.0335	1.22E-06	3.38E-05	1.52E+04	3.37E-04	5.29E-04	6.88E-04
	10	7	56	55	19935.07	1	5829.99	1.7153	0.0303	0.0	1.09E-06	8.64E-05	1 • 07E-03	5.30E-03	1.575-02
	8	5	7 C	69	18579.22	2	5830.01	1.7153	C.0303	0.0	0.0	1.51E-06	1.54E-05	6.69E-05	1.80E-04
	10	7	1 C	9	14610.99	1	5830.13	1.7152	0.0624	0.0	1.97E-05	4.36E-04	2.51E-03	7.46E-03	1.536-02
	.5 7		121		30366.41	1	5831+45	1.7148	0.0303	0.0	0.0	0.0	9.23E-07	1.24F-05	7.50E-05
		4 5	17	18	8838.17	2	5831.64	1.7148	0.0568	4.295-07	1.795-05	9.91E-05	2.48E-04	4.23E-04	5-84E-04
	9	6	77	1 76	10231.26 22889.33	2	5831.80 5831.96	1.7147 1.7147	0.0603 0.0303	0.0	5.05E-07 7.47E-08	3.90E-06 1.20E-05	1.19E-05 2.28E-04	2.33E-05 1.50E-03	3.53E-05 5.42E-03
	3	0	58	59	6436.11	2	5832.12	1.7146	0.0303	7.40E-07	9.77E-06	3.04E-05	5.39E-05	7.30E-05	8.53E-05
	9	6	10	11	12703.48	1	5832.21	1.7146	0.0625	2.65E-07	7.10E-05	9.95E-04	4.36E-03	1.08E-02	1.94E-02
	-4.,	1	. 62	63	9724.36	1	5832.27	1.7146	0.0303	2.73E-06	1.75E-04	1.20E-03	3.42E-03	6.37E-03	9.34E-03
	10	Ŷ	. 65	54	19741.15	1	5832.49	1.7145	0.0303	0.0	1.28E-06	9.66E-05	1-16E-03	5.66E-03	1.65E-02
	10	7	11	10	14646.97		5832.57	1.7145	0.0625	0.0	2.11E-05	4.72E-04	2.73E-03	8.15E-03	1.675-02
	5	ż	54	55	10015+37	ī	5832.72	1.7145	0.0303	4.38E-06	3.23E-04	2.37E-03	7.06E-03	1.35E-02	2.02E-02
	8	5	91	90	25068.06	i	5832.94	1.7144	0.0303	0.0	0.0	2.26E-06	5.86E-05	4.75E-04	1.99E-03
	8	5	24	25	11642.38	ī	5833.33	1.7143	0.0437	1.56E-06	2.51F-04	2.73E-03	1.03E-02	2.29E-02	3.84E-02
	e _	. 5	69	68	18344.26	2	5833.67	1.7142	0.0303	0.0	0.0	1.74E-06	1.72E-05	7.28E-05	1.93E-04
	5	2	40	41	7258.90	2	5834.00	1-7141	0.0303	2.02E-06	3.97E-05	1.50E-04	3.00E-04	4.40E-04	5.44E-04
	6	3	112	111	28645.63	1	5834.23	1.7140	0.0303	0.0	0.0	9.72E-08	4.22E-06	4.82E-05	2.586-04

٧U	٧L	Ju	JĻ	LCWER STATE	CUDE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	** INTEGRATI	ED ** ABSORI CM*Gi		EFFICIENT *	****
				ENERGY		C#-1	MICRON	H2	T = 1000	T = 1500	t = 5000	T = 2500	T = 3000	T = 3500
7	4	86	85	20889.52	2	5834.34	1.7140	0.0303	0.0	0.0	2+59E-07	3.68E-06	2.00E-05	6.28E-05
10	7	54	53	19550.62	1	5834.87	1.7138	0.0303	0.0	1.49E-06	1.08E-04	1.26E-03	6.03E-03	1.73E-02
10	7	12	11	14686.54	1	5834.90	1.7138	0.0617	0.0	2.24E-05	5.06E-04	2.95E-03	8.82E-03	1.82E-02
6	3	45	46	10364.77	ı	5835.00	1.7138	0.0303	5.00E-06	4.36E-04	3.49E-03	1.09E-02	2.16E-02	3.31E-02
7	4	102		26845.17	1	5 835 • 85	1.7135	0.0303	0.0	0.0	5.096-07	1.71E-05	1.645-04	7.77E-04
6	3	29	30	7671.18	2	5836 • 14	1.7135	0.0340	1.39E-06	3.66F-05	1.60E-04	3.50E-04	5.44E-04	7.C1E-04
3	C	65	7 C	9402.94	1	5836.15	1.7135	0.0303	1.10E-06	6.04E-05	3.83E-04	1.04E-03	1.88E-03	2.70F-03
7	4	35	36	10871.18	1	5836.28	1.7134	0.0312	3.72F-06	4.14E-04	3.74E-03	1.26E-02	2.61E-02	4 . 14E-02
9	6	76	75	22623.88	1	583£•82	1.7133	0.0303	0.0	9.40E-08	1.42E-05	2.59E-04	1.66E-03	5.90E-03
7	4	16	17	8774.49	2	5836.83	1.7133	0.0585	4.48E-07	1.82E-05	9.89E-05	2.46E-04	4-16E-04	5.72E-04
Ġ	6	5	10	12663.53	1	5836.89	1.7132	0.0624	2.58E-07	6.77E-05	9.39E-04	4.09E-03	1.01E-02	1.81E-02
4	1	45	50	6704.76	2	5836.97	1.7132	0.0303	1.94E-06	2.92E-05	9.68E-05	1.78E-04	2.48E-04	2.95E-04
10	7	53	52	19363.47	1	5837.13	1.7132	0.0303	0.6	1.73E-06	1.20E-04	1.37E-03	6.41E-03	1.82E-02
10	7	13	12	14729.70	1	5837.13	1.7132	0.0610	0.0	2.36E-05	5.37E-04	3.15E-03	9.45E-03	1.95E-02
9,	5	•€ 8	67	18112.48	2	5837.24	1.7131	0.0303	0.0	0.0	2.008-06	1 + 91 E-05	7.91E-05	2.06F-04
8	5	• 1	0	10227.75	2	5838.72	1.7127	0.0603	0.0	5.17E-07	3.99E-06	1.22E-05	2.38E-05	3.61F-05
10	7	14	13	14776.45	1	5839.25	1.7125	0.0604	0.0	2.45E-05	5.655-04	3.33E 03	1.01F-02	2.09E-02
10	7	52	51	19179.72	1 -	5839.29	1.7125	0.0303	0.0	2.01E-06	1.33E-04	1.48E-03	6.80E-03	1.91E-02
8	5	9 C	89	24755.73	1	5839.40	1.7125	0.0303	0.0	0.0	2.75E-06	6.82E-05	5.36E-04	2.20E-03
8	5	23	24	11551.01	1	5839.48	1.7125	0.0457	1.73F-06	2.66E-04	2.83F-03	1.05E-02	2.32E-02	3.86E-02
7	4	8.5	₽4	20602.01	2	5839.71	1.7124	0.0303	0.0	0.0	3.12E-07	4.25E-06	2.24E-05	6.92E-05
8	5	67	66	17683.92	2	584C.69	1.7121	0.0303	0.0	4.74E-08	2.29E-06	2 - 11E-05	8.58E-05	2.20E-04
3	¢	57	58	6223.85	2	5841.25	1.7120	0.0303	9.96E-07	1.19E-05	3.51E-05	6.04E-05	8.02E-05	9.25E-05
0.1	7	15	14	14826.79	1	5641.26	1.7120	0.0597	0.0	2.536-05	5.89E-04	3.50E-03	1.06E-02	2.21F-02
1 C	7	51	50	18999.38	1	5841.33	1.7119	0.0303	0.0	2.32E-06	1.47E-04	1.59E-03	7.20E-03	1.99F-02
5	2		115	29956.07	1	5841.41	1.7119	0.0303	0.0	0.0	0.0	1 - 14E-06	1.47F-05	8.64F-05
5	2	39	40	7112.42	2	5841.43	1.7119	0.0303	2 . 46E-06	4.49E-05	1.64E-04	3.21E-04	4.64E-04	5.68F-04
9	6	ε	9	12627.20	1	5841.46	1.7119	0.0624	2.46E-07	6.36F-05	8.75E-04	3.79E-03	9.31E-03	1.67F-02
9	6	75	74	22361.64	1	5841.56	1.7119	0.0303	0.0	1.18E-07	1.67E-05	2.94E-04	1.84E-03	6.41E-03
7	4	15	16	8714.33	2	5841.93	1.7118	0.0591	4.64F-07	1.83E-05	9.81E-05	2.42E-04	4.07E-04	5.57E-04
5	2	53	54	9811.84	1	5841.94	1.7118	0.0303	5.81E-06	3.89E-04	2.72E-03	7.87E-03	1.47E-02	2.18E-02
8	5	2	1	10231.26	2	5842.04	1.7117	0.0606	0.0	1.04E-06	8.06E-06	2.476-05	4.81E-05	7.30E-05
4	1	€ 1	62	9490.49	1	5842.30	1.7117	C0E0.0	3.78E-06	2.17E-04	1.4CE-03	3.88E-03	7.05E-03	1.02E-02
6	3	26	25	7764.45	2	5842.50	1.7116	0.0359	1.58E-06	3.96E-05	1.69E-04	3.64E-04	5.59E-04	7-17E-04
6	3	111	110	28264.23	1	5842.13	1.7114	0.0303	0.0	0.0	1.25E-07	5-156-06	5.67E-05	2.96E-04
10	7	16	15	14880.71	1	5843.17	1.7114	0.0591	0.0	2.59E-05	6.11E-04	3.66E-03	1.12E-02	2.335-02
10	7	5C	49	18822.44	1	5843-26	1.7114	0.0303	0+0	2.66E-06	1.62E-04	1.71E-03	7.61E-03	2.08E-02
6	3	44	45	10195.12	1	5843.31	1.7114	0.0303	6.30E-06	5.06E-04	3.89E-03	1.19E-02	2.31E-02	3.50E-02
7 7	4	34	35	10738.94	1	5843.56	1.7113	0.0317	4.41E-06	4.60E-04	4.03E-03	1.33E-02	2.73E-02	4.29E-02
Ĵ	4	101	toò	26496.37	1	5843.58	1.7113	0.0303	0.0	0.0	6.39F-07	2.04E-05	1.89E-04	8.76E-04
8	5	66	65	17658.56	2	5844.04	1.7111	6.0303	0.0	5.72E-08	2.67E-06	2.34E-05	9.29E-05	2.34F-74
10	7	17	16	14938.22	1	5844.96	1.7109	0.0585	0.0	2.63E-05	6.29E-04	3.80E-03	1.17E-02	2.44E-02
7	4	€4	83	20317.56	2	5844.97	1.7109	0.0303	0.0	0.0	3.74E-07	4.90E-06	2.51E-05	7.60E-05
1 C	7	49	48	18648.93	1	5845.08	1.7108	0.0303	0.0	3.05E-06	1.78E-04	1.83E-03	8.02E-03	2.17F-02
4	1	48	49	6525.41	2	5845.25	1.7108	0.0303	2.48E-06	3.435-05	1.09E-04	1.96E-04	2.67E-04	3.14E-04
8	5	3	2	10238.29	2	5845.26	1.7108	0.0609	0.0	1.57F-06	1.225-05	3.73E-05	7.28F-05	1.10F-04
8	5	22	23	11463.27	1	5845.52	1.7107	0.0476	1.90E-06	2.80E-04	2.92E-03	1.07E-02	2.355-02	3.88E-02
8	5	69	88	24446.47	1	5845.75	1.7106	0.0303	0.0	0.0	3.36E-06	7.986-05	6.09E-04	2.45E-03
ç	6	7	8	12594.50	i	5845.93	1.7106	0.0623	2.31E-07	5.88E-05	8.03E-04	3.46E-03	8.48E-03	1.51F-02
ç	6	74	73	22102.62	i	5846.19	1.7105	0.0303	0.0	1 • 47E-07	1.97E-05	3.33E-04	2.035-03	6.95E-03
10	7	18	17	14999.30	i	5846.66	1.7104	0.0568	0.0	2.65E-05	6.44E-04	3.92E-03	1.21E~22	2.55E-02
10	7	48	47	18478.84	i	5846.79	1.7103	0.0303	0.0	3.48E-06	1.95E-04	1 • 96E-03	8.43E-03	2.25F-02
3	Ö	68	69	9142.25	-	5446.88	1.7103	0.0303	1.58E-06	7.69E-05	4.59E-04	1.20E-03	2.12F-03	5.59E-03
					-			J. 0000			4 B C 3 E C C	. +2012 00	~	21206 13

	¥U	٧L	JU	JL	LCWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATI	ED ** ABSORI		EFFICIENT *	****
					ENERGY		C #-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	7	4	14	15	8657.70	2	5846.93	1.7103	0,0597	4.76E-07	1.83E-05	9.67E-05	2.36E-04	3.96E-04	5.40E-04
	á	5	65	64	17436.43	2	5847.28	1.7102	0.0303	0.0	6.87E-08	2.99E~06	2.58E-05	1.00F-04	2.49E-04
	, 10	7	19	18	15063.96	ī	5848.24	1.7099	0.0552	0.0	2.656-05	6.55E-04	4.03E-03	1.25E-02	2.64E-02
		5	4	3	10248.62		5846.38	1.7099	0.0611	0.0	2.10E-06	1.63E-05	5.01E-05	9.77E-05	1.48E-04
	10	7	47	46	18312.18	1	5848.38	1.7099	0.0303	0.0	3.96E-06	2 • 1 3E-04	2.09E-03	8.856-03	2.34E-02
	8	2	36	35	6969.43		5848.76	1.7098	0.0303	2.97E~06	5.06E-05	1.795~04	3.42E-04	4.88E-04	5.92E-04
	6	3	27	28	7661.24	2	5848.77	1.7098	0.0379	1.79E-06	4-27E-05	1.78E-04	3.77E-04	5.74E-04	7.30E-04
	10	7	20	15	15132.20	1	5849.72	1.7095	0.0535	0.0	2.64E-05	6.63E-04	4.12E-03	1.29F-02	2.73E-02
	10	7	46	45	18148.97		5849.86	1.7094	0.0303	0.0	4.48E-06	2.32E-04	2.22E-03	9.27E-03	2.42F-02
	7	4	83	82	20036.19	2	5850.12	1.7094	0.0303	0.0	0.0	4.48E-07	5.63E-06	2.81E-75	8.356-05
	3	0	56	57	6015.03		5850.30	1.7093	0.0303	1.33E-06	1.448-05	4.05E-05	6.76E-05	8.80E-05	1.00E-04
	9	€	6	7	12565.43	1	5850.30	1.7093	0.0620	2.13E-07	5.34E-05	7.24E-04	3.11E-03	7.59E-03	1.35E-02
	8	5	€4	63	17217.54	2	585C-41	1.7093	0.0303	0.0	8.23E-08	3.39E-06	2.84E-05	1.08E-04	2.65E-04
	9	6	73	72	21846.84		5850.71	1.7092	0.0303	0.0	1.84E-07	2.30E-05	3.76E-04	2.24E-03	7.53E-03
		4	33	34			5850.75	1.7092	0.0303	5.195-06	5.10F-04	4.32F-03	1.40E-02	2.84E-02	4.42E-02
	7 5	2	52 52	53	10610.31 9611.86	1	5851.07	1.7092	0.0303	7.67E-06	4.66E-04	3.11E-03	8.74E-03	1.61E-02	2.34E-02
		7	21	20	15204.01	1	5851.09	1.7091	0.0515	0.0	2.61E-05	6.67E-04	4 . 19E-03	1.325-02	2.815-02
	10			99		1	5851.00	1.7091	0.0303	0.0	0.0	8.01E-07	2.43E-05	2.18E-04	9.86E-04
	7	4 7	100		26150.54	_			0.0303	0.0	5.058-06	2.51E-04	2.36E-03	9.68F-03	2.50E-02
	10		45	44	17989.20	1	5851.24	1.7090	0.0303	0.0	0.0	0.0	1.41E-06	1.768-05	1.00E-04
	5		119		29548.44	1	5851.26	1.7090	0.0514	0.0	2.62E-06	2.04E-05	6.28E-05	1.23E-04	1.87E-04
	<u></u> e	, 5	5	4	10262.87		5851-40	1.7090	0.0496	2.07E-06	2.93E-04	2.995-03	1.08E-02	2.36E-02	3.88F-02
443	9	5	21	22	11379.15	1	5851-46	1.7090		7.88E-06	5.85E-04	4.32E~03	1.29E-02	2.46E-02	3.69E-02
ω	6	3	43	44	10029.06		5851.52	1.7090	0.0303	4.84E-07	1.816-05	9.476-05	2.30E-04	3.83E-04	5.20E-04
	7	4	13	14	8604.60	2	5851.83	1.7089	0.0604	0.0	0.0	1.61E-07	6.27E-06	6.66F-05	3.39E-04
	6	3		109	27885.68	1	5851.92	1.7088	0.0303	0.0	0.0	4 • 1 1E - 0 6	9.32F-05	6.91E-04	2.72E-03
	8	5	88	87	24140.31		5851.98	1.7088 .	0.0303 0.0303	5.20E~06	2.67E-04	1.64E-03	4.38E-03	7.798-03	1.116-02
		. 1	_60	61	9260.14	1	5852.23	1.7088	0.0496	0.0	2.57E~05	6.68E-04	4.24E-03	1.34E-02	2.88F-02
	10	7	22	21	15279.39	1	5852.35	1.7087			5.67E-06	2.72F-04	2.495-03	1.01E-02	2.58E-02
	10	7	44	43	17832.88	1	5852.50	1.7087	0.0303	0.0	9.82E-08	3.85E-06	3.12E-05	1.16E-04	2.81E-04
	В	5	63	62	17001.67		5853.44	1.7084	0.0303	0.0	4.01E-05	1.225-04	2 • 14E-04	2.87E-04	3.34E-04
	4	1	. 47	48	6349.53	2	5853.45	1.7084	0.0303	3.16E-06		6.66E-04	4.28E-03	1.375-02	2.95F-02
	10	7	23	22	15358.34	1	5853.50	1.7084	0.0476	0.0	2.525-05	2.93F-04	2.63E-03	1.05E-02	2.65F-02
	_10	7	43	42	17680.03	1	5853.64	1.7083	0.0303	0.0	6.35E-06	2.45E-05	7.55E-05	1.48E-04	2.25F-04
		5	6	5	10280.43	2	5854.32	1.7081	0.0617	0.0	3.13F-06		4.29E-03	1.385-02	3.00E-02
	_10	7	24	23	15440.84	1	5854.54	1.7081	0.0457	0.0	2.45E-05	6.61E-04	2.73E-03	6.64E-93	1.18E-02
	9	6	5	6	12539.99	1	5854.56	1.7081	0.0617	1.91E-07	4.73E-05	6.37E-04	2.77E-03	1.09E-02	2.736-02
	10	7	42	41	17530-64	1	5854.68	1.7080	0.0303	0.0	7.07E-06	3.15E-04 1.86E-04	3.89E-04	5.87E-04	7.42F-04
	6	3	26	27	7561.55		5854.94	1.7080	0.0398	2.02E-06	4.58F-05		4.24E-04	2.46E-03	8.14E-03
	. 9	6	. 72	71	21594.31	1	5855.11	1.7079	0.0303	0.0	2.28E-07	2.698-05	6.46E-06	3.14E-05	9.15E-05 .
	7	4	€2	E 1	19757.90	2	5855.17	1.7079	0.0303	0.0	0.0	5.35E-07 6.53E-04	4.30E-03	1.39E-02	3.C4F-92
	10	7	25	24	15526.91		5855.48	1.7078	0.0437	0.0	2.37E-05 7.85E-06	3.38E-04	2.90E-03	1.13E-02	2.79F-02
	10	7	41	40	17384.73		5855-61	1.7078	0.0303	0.0				5.13E-04	6.16E-04
	5	2	37	38	6829.95		5856.00	1.7077	0.0303	3.56E-06	5.68E-05	1.94E-04	3.64E-04		
	10	7	26	25	15616.54	1	5856.31	1.7076	0.0418	0.0	2.28E-05	6.43E-04	4.28F-03	1.40E-02	3.08F-02 2.97E-04
	.e	5	62	61	16789.46	2	5856.36	1.7075	0.0303	0.0	1.17E-07	4.34E-06	3.425-05	1.25F-04	2.86E-02
	10	7	4 C	39	17242.29	1	5856.43	1.7075	0.0303	0.0	8.68E-06	3.61E-04	3.04E-03	1.16E-02 3.68E-04	4.97E-04
	7	4	12	13	8555.02		5856.64	1.7075	0.0610	4.88E~07	1.78E-05	9+20E-05	2.21E-04		3.10F-02
	10	7	27	26	15709.71	1	5857.03	1.7074	0.0398	0.0	2.19E-05	6.30F-04	4 • 25E-03	1.40E-02	
	10	7	36	36	17103.34	1	5857.13	1.7073	0.0303	0.0	9.55E-06	3.85E-04	3.17E-03	1.20E-02	2.915-02
	8	5	7	6	10301.50	2	5857.14	1.7073	0.0620	4.29E-08	3.62E-06	2.84E-05	8.80E-05	1.735-04	2.63F-04
	8	5	20	21	11298-67		5857.30	1.7073	0.0515	2.24E-06	3.06E-04	3.06E-03	1.09E-02	2.37F-02	3.87E-02
	3	0	67	68	8885.04	1	5857.52	1.7072	0.0303	2.27E-06	9.75E-05	5.47E-04	1.38E-03	2.37E-03	3.29F-03
	10	7	26	27	15806.43	1	5857.64	1.7072	0.0379	0 • Ò	2.08E-05	6 • 1 5E-04	4.21 E-03	1.40E-02	3.12E-02

VU	٧L	٦ų	JL	LOWER	CODE	WAVE	MVAÉ	,HALĘ	******	** INTEGRATE			EFFICIENT *	*****
				STATE		MUMBER	LENGTH	WIDTH			CM*G			
				ENERGY		C N-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	$\tau = 3000$	T = 3500
	-	30												
10 7	7 4	38 32	37	16967.88	1	5857.73	1.7071	0.0303	0.0	1.05F-05	4.08E-04	3.30E-03	1.23F-02	2-96E-02
é	5		33	10485.30	1	5 857 • 83	1.7071	0.0326	6.08E-06	5.62E-04	4.62E-03	1.475-02	2.94E-02	4.55E-02
10	7	87 29	98	23837.25	1	5858.09	1.7070	0.0303	0.0	0.0	5.00E-06	1.09E-04	7.82E-04	3.02E-03
10	7	37	28 36	15906.70	1	5858.14	1.7070	0.0359	0.0	1.98E-05	5.98E-04	4.15E-03	1.406-02	3.13F-02
10	7	30	29	16835.92	1	5858.21	1.7070	0.0308	0.0	1.14F-05	4.325-04	3.43E-03	1.26E-02	3.01F-02
10	7	36	35	16010.51 16707.46	1	5858.53	1.7069	0.0340	0.0	1.87E-05	5.79E-04	4.08E-03	1.39E-02	3.13E-02
7	4	55	98	25807.67		5856.59	1.7069	0.0312	0.0	1.24E-05	4.55E-04	3.54E-03	1.29E-02	3.05E-02
ģ	6	4	5	12518.18	1	5858.70,	1.7069	0.0303	0.0	0.0	1.00E-06	2 • 89E → 05	2.51E-04	1.116-03
10	7	31	30	16117.86	1	5858.71	1.7069	0.0614	1.66E-07	4.066-05	5.44E-04	2.32E-03	5.64E-03	1.008-02
10	7	35	34	16582.50	i	5858.81	1.7068	0.0335	0.0	1.776-05	5.61E-04	4.02E-03	1.38E-02	3.14F-02
10	7	32	31	16228.73	1	5 25 8 • 85 5 85 8 • 99	1.7068 1.7068	0.0317	0.0	1.35E-05	4.78E-04	3.66E-03	1.31E-02	3.08E-02
10	7	34	33	16461.06	i	5859.01	1.7068	0.0331	0.0	1.66E-05	5.42E-04	3.94E-03	1.37E-02	3.13E-02
10	7	33	32	16343+14	î	5859.05		0.0321	0.0	1.45E-05	5.00E-04	3.76E-03	1.376-02	3-115-02
.0	5	€1	60	16580.31	2		1.7068	0.0326	0.0	1.556-05	5.22E-04	3.86E-03	1.35E-02	3.12E-02
3	ő	55	56	5809.67	2	5859.18 5859.25	1.7067 1.7067	0.0303 0.0303	0.0 1.78E-06	1.38F-07	4.89E-06	3.74E-05	1.34E-04	3.14F-04
6	3	58	94	21738.60	2	5859.25	1.7067	0.0303	0.0	1.74E-05 0.0	4.66E-05	7.55E-05	9.63E-05	1.08E-04
9	6	71	70	21345.04	1	5859.39.	1.7067	0.0303	0.0	2.825-07	9.84E-08 3.14E-05	1.58E-06	9.28E-06 2.70E-03	3.10E-05
6	3	42	43	9866.59	i	5859.63	1.7066	0.0303	9.80E-06	6.74F-04	4.78E-03	4.76E-04 1.39E-02	2.70E-03 2.62E-02	8.78E-03
ě	5	3	7	10326.08	è	5859.87	1.7065	0.0623	4.79E-08	4.09F-06	3.23E-05	1.00E-04	1.97E-04	3.89F-02 3.02E-04
š	2	€1	52	9415.45	ī	5860.09	1.7065	0.0303	1.01E-05	5.57E-04	3.55E-03	9.68E-03	1.75E-02	
7	4	81	80	19482.71	ż	586C-10	1.7065	0.0303	0.0	0.0	6.37E-07			2.516-02
6		109		27509.97	1	5860.58	1.7063	0.0303	0.0	0.0	2.07E-07	7.39E-06 7.62E-06	3.50E-05	1.00E-04
5		118		29143.55	î	5860.98	1.7062	0.0303	0.0	0.0	0.0	1.75E-06	7.81E-05 2.09E-05	3.87F-04 1.16E-04
6	3	25	26	7465.39	2	5861.02	1.7062	0.0418	2.265-06	4.89E-05	1.94E-04	4.00E-04	5.98F-04	7.51E-04
7	4	11	12	8508.98	2	5861.35	1.7061	0.0617	4.85E-07	1.73E-05	8.86E-05	2 · 12E - 04	3.50E~04	4.72E-04
4	1	46	47	6177.14	2	5861.55	1.7060	0.0303	4.00E-06	4.67E-05	1.36E-04	2 • 33E-04	3.08E-04	3.54E-^4
B	5	60	59	16374.42	2	5661.89	1.7059	0.0303	0.0	1.63F-07	5.5CE-06	4.08E-05	1.43E-04	3.31E-C4
4	1	55	60	9033.32		5862.07	1.7059	0.0303	7.135-06	3.29F-04	1.91E-03	4.93E-03	8.59E-03	1.20E-02
ė	5	9	ě	10354.17	2	5862.49	1.7058	0.0624	5.23E-08	4.53F-06	3.60E-05	1.12F-04	2.22E-04	3.39E-04
9	6	ź	4	12500.01	1	5862.77	1.7057	0.0524	1.37E-07	3.33E-05	4.44E-04	1.89E~03	4.59E-03	8.14E-03
4		126	•	30616.60	î	5862.96	1.7056	0.0303	0.0	0.0	0.0	3.58E-07	4.936-06	3.03F-05
ė	5	19	20	11221.82	ī	5863.03	1.7056	0.0535	2.40E-06	3.16F-04	3.11E-03	1.10E-02	2.36E~02	3.84E-92
5	2	36	37	6693.98	2	5863.14	1.7056	0.0308	4.25E-06	6.35E-05	2.1CE-04	3.87E-04	5.37F-04	6.39E-04
Š	6	70	69	21099.03	ī	5863.56	1.7054	0.0303	0.0	3.47E-07	3.64E-05	5.348-04	2.96E-03	9.46E-03
а	5	86	85	23537.30	ì	5864.08	1.7053	0.0303	0.0	0.0	6.07E-06	1.268-04	8 - 8 4 E - 0 4	3.34F-03
8	5	59	58	16171.80	2	5864.49	1.7052	0.0303	0.0	1.93E-07	6.20E-06	4.468-05	1.54E-04	3.51E-04
7	4	31	32	10363.92	1	5864.81	1.7051	0.0331	7.06E-06	6.16E-04	4.93E-03	1.546-02	3.05E-02	4.67E-02
7	4	εc	79	19210.62	2	5864.92	1.7051	0.0303	0.0	0.0	7.57E-07	8.44E-06	3.89E-05	1.09E-04
8	5	1 C	9	10385.77	e!	5865.02	1.7050	0.0624	5.628-08	4.94E-06	3.96E-05	1 - 24E-04	2.455-04	3.76F-04
6	3	94	93	21420.99	2	5865.58	1.7049	0.0303	0.0	0.0	1.20E-07	1.85E-06	1.05E-05	3.44E-05
7	4	10	11	8466.48	2	5865.96	1.7048	0.0525	4.77E-07	1.67E-05	8.45E-05	2.01E-04	3.31E-04	4.44E-04
7	4	9.8	97	25467.79	1	5866.07	1.7047	0.0303	0.0	0.0	1.25E-06	3.42E-05	2.885-04	1-24E-03
9	6	2	3	12485.47	1	5866.72	1.7045	0.0609	1.06E-07	2.558-05	3-40E-04	1.44E-03	3.49E-03	6.19E-03
8	5	56	57	15972.47	2	5866.99	1.7045	0.0303	0.0	2.28E-07	6.96E-06	4.87E-05	1.65E-04	3.71E-04
6	3	24	25	7372.76	2	5867.01	1.7044	0.0437	2.51E-06	5.19E-05	2.02E-04	4.10E-04	6.08E-04	7.59E-04
8	5	11	10	10420.87	2	5867.45	1.7043	0.0625	5.94E-08	5.31E-06	4.29E-05	1.35E-04	2.68E-04	4 - 12E-04
9	6	65	€8	20856.30	1	5 6 7 • 6 1	1.7043	0.0303	0.0	4.26E-07	4.22E-05	5.97E-04	3.238-03	1.02E-02
6	3	41	42	9707.73	1	5867.64	1.7043	0.0303	1.21E-05	7.72E-04	5.276-03	1.50E-02	2.79E-02	4.09E-02
3	0	€6	67	8631.33	1	5868.06	1.7041 ,	0.0303	3.25E-06	1.23F-04	6.51E-04	1.59E~03	2.66E-03	3.625-03
3	٥	54	55	5607.77	2	5868.12	1.7041	0.0303	2.36E-06	2.096-05	5.34F-05	8.41E-05	1.05E-04	1-16E-04
8	5	1€	19	11148.61	1	5868.67	1.7040	0.0552	2.56E-06	3.26E-04	3.14E-03	1.10E-02	2.35E-02	3.80F-02
5	2	€ C	51	9222.61	1	5869.02	1.7039	0.0303	1.316-05	6.63E-04	4.03E-03	1.07E-02	1.90E-02	2.696-02

νu	٧L	JŲ	JL	LOWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	******	* INTEGRATE	ED ** ABSORI		EFFICIENT *	****
				ENERGY		C#-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
e	-	1 C E	107	27137.13	1	5869.12	1.7038	0.0303	0.0	0.0	2.65E-07	9.25E-06	9-146-05	4.42F-04
8	5	57	56	15776.43	2	5869.38	1.7038	0.0303	0.0	2.67E-07	7.8CE-06	5 - 31 E - 05	1.76E-04	3.91E-04
4	1	45	46	6008.24	2	5869.56	1.7037	0.0303	5.04E-06	5.42E-05	1.525-04	2.54E-04	3.30E-04	3.75F-04
7	4	79	78	18941.66	2	5869.64	1.7037	0.0303	0.0	0.0	8.97E-07	9.62E-06	4.33E-05	1.19E-04
é	5	12	11	10459.48	2	5869.78	1.7036	0.0617	6.20F-08	5.64E-06	4.60E-05	1.46E-04	2.90E-04	4.48E-C4
8	5	85	84	23240.48	1	5869.96	1.7036	0.0303	0.0	4.19E-08	7.35E-06	1.47E-04	9.97E-04	3.69E-03
5	2	35	36	6561.53	2	587C+19	1.7035	0.0312	5.04E-06	7.07E-05	2.26E-04	4.09E-04	5.61E-04	6.62E-04
7	4	ç	10	8427.51	2	5870.48	1.7034	0.0624	4.63E-07	1.59E-05	7.97E-05	1.88E-04	3.09F-04	4.14E-04
ģ	6	í	2	12474.57	1	5870.56	1.7034	0.0606	7.22F-08	1.73E-05	2.30F-04	9.75E-04	2.36E-03	4.18E-03
ś	2	117		28741.41	ī	5870.58	1.7034	0.0303	0.0	0.0	4.91E-08	2.16E~06	2.49E-05	1.35E-04
9	6	83	67	20616.86	ī	5871.55	1.7031	0.0303	0.0	5.22E-07	4.88E-05	6.67E-04	3.53E-03	1.09F-02
é	5	56	55	15583.68	2	5871.67	1.7031	0.0303	0.0	3.13E-07	8.72E-06	5.77E-05	1.88E-04	4.12E-04
7	4	30	31	10246.16	1	5871.70	1.7031	0.0335	8.165-06	6.73E-04	5.23E-03	1.61E-02	3.15E-02	4.79E-02
6	3	53	92	21106.37	2	5871.80	1.7031	0.0303	0.0	0.0	1.47E-07	2 • 15E-06	1.19E-05	3.81E-05
4	1	5.6	59	8810.04	1	5871.81	1.7031	0.0303	9.76E-06	4.04E-04	2.23E-03	5.57E-03	9.49E-03	1.31E-02
8	5	13	12	10501.59	2	5872.00	1.7030	0.0610	6.39E-08	5.93E-06	4.89E-05	1.56E-04	3.12E-04	4.82F-04
6	3	23	24	7283.66	2	5872.90	1.7027	0.0457	2.76E-06	5.49E-05	2.095-04	4.19E-04	6.16F-04	7.64E-04
7	4	97	96	25130.91	1	5873.33	1.7026	0.0303	0.0	0.0	1.55E-06	4.05E-05	3.31F-04	1.39E-03
4	1	125	124	30188.78	1	5873.51	1.7026	0.0303	0.0	0.0	0.0	4.46E-07	5.91E-06	3.52E-05
e	5	55	54	15394.23	2	5872.85	1.7025	0.0303	0.0	3.65E-07	9.72E-06	6.26E-05	2.00E-04	4.33F-04
e	5	14	13	10547.20	2	5874.13	1.7024	0.0604	6.51E-08	6.18E-06	5.15E-05	1 • 65E-04	3.32E-04	5 • 15F-04
e	5	17	18	11079.05	1	5874.20	1.7024	0.0568	2.71E-06	3.33E-04	3.16E-03	1.10E-02	2.32E-02	3.74E-02
7	4	78	77	18675.82	2	5874.25	1.7023	0.0303	0.0	0.0	1.06E-06	1.09E-05	4.80E-05	1.30E-04
9	6	C	1	12467.30	1	5874.30	1.7023	0.0603	0.0	8.80E-06	1.17E-04	4 • 93E-04	1.19E-03	2.11F-03
7	4	8	9	8392.08	2	5874.90	1.7022	0.0624	4.43E-07	1.49E-05	7.43E-05	1 • 75 E-04	2.85E-04	3.82E-04
9	6	67	66	20380.71	1	5875.37	1.7020	0.0303	0.0	.6.36E-07	5.62E-05	7.43E~04	3.84E-03	1.17E-02
6	3	40	41	9552+46	1	5875.56	1.7020	0.0303	1.49E-05	. 8.81E-04	5.80E-03	1.62E-02	2.96E-02	4.290-02
8	5	84	83	22946.81	1	5875.72	1.7019	0.0303	0.0.	5.43E-08	8.88E-06	1.70E-04	1.12E-03	4.08E-03
8	5	54	53	15208-11	2	5875.93	1.7019	0.0303	0.0	4.24E-07	1.08E-05	6.77E-05	2.13E-04	4.54E-04
8	5	15	14	10596.32	2	5876.16	1.7018	0.0597	6.57E-08	6.38E-06	5.38E-05	1.74E-04	3.51E-04	5.46E-04
3	0	53	54	5409.33		5876.89	1.7016	0.0303	3.11E-06	2.51E-05	6.10E-05	9.34E-05	1.15E-04	1.25E-04
5	2	34	35	6432.60	2	5877.15	1.7015	0.0317	5.94E-06	7.83E-05	2.43E-04	4.32E-04	5.85E-04	6.84F-04
4.	. 1	44	45	5842.84	2	5877.48	1.7014	0.0303	6.30E-06	6.26E-05	1.69E-04	2.75E-04	3.52E-04	3.96E-04
6		1 67	106	26767.18	1	5877.55	1.7014	0.0303	0.0	0.0	3.38E-07	1 + 12E-05	1.07E-04	5.04E-04
5	2	49	50	9033.35	1	5677.85	1.7013	0.0303	1.71E-05	7.86E-04	4.57F-03	1.18E-02	2.06E-02	2.88E-02 4.76E-04
8	5	£3	52	15025.29	2	5877.90	1.7013	0.0303	0.0	4.91E-07	1.20E-05	7.31E-05	2.26E-04 1.35E-05	4.21E-05
6	3	92	91	20794.75	2,	5877.90	1.7013	0.0303	0.0	0.0	1.798-07	2.51E-06 1.82E-04	3.69E-04	5.76E-04
8	5	. 16	15	10648.93		.587,8.09	1.7012	0.0591	6.57E-08	6.54E-06	5.59E-05	1.67E-02	3.24E-02	4.89E-02
J_		29	30	10132.03		5872.48	1.7011	0.0340	9.37E-06	7.315-04	5.53E-03 7.72E-04	1.82E~03	2.976-03	3.97E-03
3	0	65	€6	8381.13	1	587e.50	1.7011	0.0303	4 • 6 1 E = 0 6	1.55E-04 5.77E-05	2.15E-04	4.26E-04	6.21E-04	7.66E-04
6	3	22	23	7198.11	2	5878.70	1.7011	0 • 04 76	3.03E-06	0.0	1.25E-06	1 • 24 E - 05	5.31E-05	1.41E-04
7	4	77	76	18413.12		5878.75	1.7010	0.0303	0.0	7.73E-07	6.46E-05	8.25E-04	4.17E-03	1.25E-02
9	6	66	65	20147.87	1	5879.08	1.7009	0.0303	0.0 4.15E-07	1.38E-05	6.81E-05	1 • 59E - 04	2.60E-04	3.47E-04
7	4	7	8	8360.19	2	5879.23	1.7009	0.0623 .	2.84E-06	3.38E-04	3.16E-03	1.09E-02	2.28E-02	3.66E-02
9	5	16	17	11013.12	1	5879.63	1.700B 1.7007	0.0585 0.0303	0.0	5.66E-07	1.32E-05	7.87E-05	2.39E-04	4.97F-04
8	5 5	52 17	51 16	14845.80	2	5879•76 5879•92	1.7007	0.0585	6.50E-08	6.66E-06	5.76E-05	1 .89E-04	3.86E-04	6.05E-04
8	_	116		28342.04	1	5880.06	1.7007	0.0303	0.0	0.0	6.42E-08	2.67E-06	2.96E-05	1.56E-04
5 7	2	96	95	24797.05		5880.48	1.7005	0.0303	0.0	0.0	1.92E-06	4.79E-05	3.78E-04	1.566-03,
8	5	83	82	22656.29	1	5881.36	1.7003	0.0303	0.0	7.02E-08	1.075-05	1 - 96E-04	1.26E-03	4.49E-03
4	1	63 57	58 58	8590.31	1	5881.45	1.7003	0.0303	1.335-05	4.95E-04	2.59E-03	6.27E-03	1.05E-02	1.42E-02
9	6	1	0	12463.66	i	5881.47	1.7003	0.0603	0.0	9.01E-06	1.195-04	5.05E-04	1.226-03	2.16E-03
8	5	51		14669.65		5881.52	1.7002	0.0303	0.0	6.515-07	1.46E-05	8.45E-05	2.52E-04	5.19E-04
•	5	-21	30	1400000	-	2004002								

٧u	VL	JU	JĻ	LOWER State	CODE	WAVE NUMBER	WAVE" LENGTH	HALF WIDTH	*****	** INTEGRATE	ED ** ABSORI		EFFICIENT *:	****
				ENERGY		C M — 1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
e	5	18	17	10764.64	2	5881.64	1.7002	0.0568	6.38E-08	6.72F-06	5.90E-05	1.95E-04	4 015 04	
9	6	65	64	19918.36	ī	5682.68	1.6999	0.0303	0.0				4.01E-04	6.31E~04
7	4	76	75	18153.57	2	5683.14	1.6998	0.0303		9.35E~07	7.40E-05	9.15E-04	4.53E-03	1.34E-02
	5	έč	45	14496.84	2	5683.18	1.6998	0.0303	0.0	0.0	1.47E-06	1.41E-05	5.86F-05	1.53E-04
ē	5	19	18	10827.74	2	5883.27	1.6997	0.0552		7.45E-07	1.60E-05	9.06E-05	2.66F-04	5.41E-04
6	3	35	40	9400.82	1	5883.37			6 • 2 2 E - 0 8	6.75E-06	6.02E-05	2.01E-04	4 • 15E -04	6.56E-04
7	4	6	7	8331.64	ż	5883.45	1.6997 1.6997	0.0303 0.0620	1.82E-05	1.00E-03	6.36E-03	1 • 73E02	3 • 1 3E -0 2	4.498-02
6	Ξ.	51	5 C	20486.14	ž	5883.90	1.6996	0.0303	3.82E-07 0.0	1.25E-05	6.14E-05	1.43E-04	2.33E-04	3.10E-04
4	_	124		29763.41	1	5863.93	1.6995	0.0303	0.0	0.0	2 • 1 7E - 07	2.91E-06	1.52E-05	4.65F-05
5	2	33	34	6307.19	ځ	5884.02	1.6995	0.0303	6.96F-06	0.0	0.0	5.55E-07	7.06E-06	4.09E-05
6	3	21	22	7116.09	2	5884.40	1.6994	0.0496	3.29E-06	8.65E-05 6.03E-05	2.61F-04	4 - 54E-04	6.08E-04	7.05E-04
8	5	49	48	14327.37	2	5884.73	1.6993	0.0303	0.0	8.50E-07	2.21E-04	4.32E-04	6 • 25E - 04	7.66F-04
8	5	20	19	10894.32	2	5884.80	1.6993	0.0535	6.00E-08	6.73E-06	1.75E-05	9.68E-05	2.80E-04	5.62E-04
9	6	2	1	12467.30	1	5884.89	1.6993	0.0606	7.60E-08	1.825-05	6.10E-05	2.05E-04	4.27E-04	6.785-04
8	5	15	16	10950.85	ī	5884.96	1.6992	0.0591	2.95E-06	3.41E-04	2.41E-04	1.02E-03	2.47E-03	4.37E-03
7	4	28	29	10021.54	ī	5885.16	1.6992	0.0359	1.07E~05	7.95E-04	3.14E-03	1 - 07E02	2.24E-02	3.57E-02
4	1	43	44	5680.94	2	5885.30	1.6991	0.0303	7.84E-06	7.95E-04 7.21E-05	5.85E-03 1.87E-04	1.74E+02 2.98E-04	3.34E-02	5.00E-02
3	0	52	53	5214.37	2	5885.57	1.6991	0.0303	4.08E-06	3.00E-05	6.95E-05	1.045-04	3.76E-04	4.17F-04
6	3	106		26400-13	1	5885.85	1.6990	0.0303	0.0	0.0	4.30E-07	1.358-05	1 • 25E - 04 1 • 25E - 04	1.34E-04 5.73E-04
9	6	64	63	19692-16	1	5886.16	1.6989	0.0303	0.0	1.13E~06	8.45E-05	1.01E-03	4.90E-03	
8	5	46	47	14161.26	2	5886.18	1.6989	0.0303	0.0	9.66E-07	1.91E-05	1.03E-04	2.94E-04	1.42E-02
8	5	21	20	10964.39	2	5886.22	1.6989	0.0515	5.76E-08	6.67E~06	6.15E-05	2.09E-04	4.38E-04	5.83E-04 6.99F+04
5	2	48	49	8847.68	1	5886.59	1.6988	0.0303	2.20F~05	9.28E-04	5.168-03	1.30E-02	2.22E-02	3.07E-02
8	5	€2	81	22368.93	1	5886.89	1.6987	0.0303	0.0	9.04E-08	1.296-05	2.26E-04	1.42E-03	4.94E-03
7	4	75	74	17897.18	2	5887.42	1.6985	0.0303	0.0	0.0	1.72E-06	1.59E-05	6.47E-05	1.66E-04
7	4	95	94	24466.21	1	5887.50	1.6985	0.0303	0.0	0.0	2.37E-06	5 • 65E-05	4.32E-04	1.74E-03
8	5	47	46	13998.51	2	5887.52	1 • 6 9 8 5	0.0303	0.0	1.09E-06	2+08E-05	1.105-04	3.07E-04	6.04E-04
8	5	22	21	11037.95	2	5887.55	1.6985	0.0496	5.48E-08	6.58E-06	6-17E-05	2 12E-04	4 • 47E-04	7.17E-04
7	4	5	6	8307.03	2	5887.59	1.6985	0.0617	3.42E-07	1.116-05	5.40E-05	1 - 26E-04	2.04E-04	2.71E-04
9	6	3	2	12474.57	1	5888.21	1.6983	0.0609	1 • 1 4E-07	2.74E-05	3.63E-04	1 • 54E-03	3.73E-03	6.61E-03
8	5	46	45	13839.13	2	5888.76	1.6982	0.0303	0.0	1.23E-06	2.26E-05	1 • 17E-04	3.21E-04	6.24E-04
8	5	23	22	11114.98	2	5888.77	1.6981	0.0476	5.18E-08	6.45E-06	6.16E-05	2 • 1 4E-04	4.55E-04	7.34F-04
3	0	64	65	8134.45	1	5888.85	1.6981	0.0303	6.51F-06	1.95E-04	9-13E-04	2.07E-03	3.31E-03	4.36E-03
5		115	114	27945.45	1	5889.42	1.6980	0.0303	0.0	0.0	8.38E~08	3.29E-06	3.51E-05	1.80E-04
9	6	63	62	19469.31	1	5889.53	1 46 97 9	0.0303	0.0	1.36E-06	9.62E-05	1 - 12E-03	5.29F-03	1.51E-02
6	3	9 C	89	20180.55	2	5889.79	1.6979	0.0303	0.0	0.0	2.63E~07	3.38F-06	1.71E-05	5.13E-05
8	5	45	44	13663.11	2	5889.89	1.6978	0.0303	0.0	1.38E-06	2.45E-05	1.23E-04	3.35E-04	6.44E-04
8	5	24	23	11195.50	2	5889.90	1.6978	0.0457	4-86E-08	6.29F-06	6.12E-05	2.16E-04	4.61E-04	7.48F-04
6	3	20	21	7037.61	2	5890.00	1.6978	0.0515	3.56E-06	6+27E-05	2.25E-04	4.36E-04	6.26E-04	7.63E-04
8	5	14	15	10892.23	1	5890.18	1.6977	0.0597	3.04E-06	3.41E-04	3.10E-03	1.05E-02	2.18F-02	3.46E-02
5	2	32	33	6185.32	2	5890.79	1.6976	0.0326	8.11E~06	9.50E-05	2.78E-04	4.76E-04	6.30E-04	7.256-04
8	5	44	43	13530.48	2	5890.92	1.6975	0.0303	0.0	1.55E-06	2.64E-05	1.30E-04	3.48E-04	6.63E-04
8	5	25	24	11279.49	2	5890.92	1 • 6975	0.0437	4.52E-08	6.10E-06	6.06E-05	2 • 16E-04	4.66F-04	7.60E-04
4	1	56	57	8374.14	1	5891.00	1.6975	0.0303	1.80E-05	6.04E-04	3.00E-03	7.05E-03	1.15E-02	1.546-02
6	3	38	39	9252.79	1	5891.09	1.6975	0.0303	2.22E-05	1.13E-03	6.95E-03	1.85E-02	3.30E-02	4.69F-02
9	6	- 4	3	12485.47	1	5891.43	1.6974	0.0611	1.52E-07	3.66E-05	4.87E-04	2.07E-03	5.01E-03	6.88E-03
7	4	74	73	17643.96	2	5891.60	1.6973	0.0303	0.0	4.40E-08	2.01E-06	1.79E-05	7.12E-05	1.80E-04
7	4	4	5	8285.77	2	5891.62	1.6973	0.0614	2.97E-07	9.52E-06	4.61E-05	1.07E-04	1.73E-04	2.30E-04
7	4	27	28	9914.69	1	5891.74	1.6973	0.0379	1.22E-05	6.59E-04	6-175-03	1.81E-02	3.43E-02	5.10E-02
8	5	26	25	11366.95	2	5891.84	1.6973	0.0418	4.19E-08	5.89E-06	5.97E-05	2.16E-04	4.69E-04	7.69E-04
8	5	43	42	13381.23	2	5891.85	1.6973	0.0303	0.0	1.73E-06	2.84E-05	1.37F-04	3.61E-04	6.81E-04
8	5 5	13	20	22084.76	1	5892.30	1.6971	0.0303	0.0	1 • 16E-07	1.54E-05	2.61E-04	1.59E-03	5.436-03
C	5	27	26	11457.88	2	5892.66	1.6970	0.0398	0.0	5.666-06	5.876-05	2.14E-04	4.70E-04	7.77E-04

γu	٧Ł	JU	1L	LCWER STATE	CODE	WAVE NUVBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	FD ** ABSORI		EFFICIENT *	****
				ENERGY		CX-I	MICRON	H2	¥ # 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
8	5	42	41	13235.37	2	5892.67	1+6970	0.0303	0.0	1.925-06	3.05E-05	1.44E-04	3.74E-04	6.98E-04
ğ	6	62	61	19249.80	ī	5892.78	1.6970	0.0303	0.0	1.62E-06	1.09E-04	1.236-03	5.70E-03	1.61E-02
4	1	42	43	5522.55	ž	5893.04	1.6969	0.0303	9.71E-06	8.27E-05	2.07E-04	3.22E-04	3.99E-04	4.396-04
ě	5	26	27	11552.28	2	5893.37	1-6968	0.0379	0.0	5-41E-06	5.746-05	2.13E-04	4.71E-04	7.82E-04
8	5	41	40	13092.91	2	5893.39	1.6968	0.0303	0.0	2.125-06	3.265-05	1 -515-04	3.866-04	7-145-04
8	5	29	28	11650-14	2	5893.99	1.6966	0.0359	0.0	5.14E-06	5.59E-05	2.10E-04	4.698-04	7.85E-04
8	5	40	39	12953.84	2	5894.01	1.6966	0.0303	0.0	2.34E-06	3.47E-05	1.57E-04	3.98E-04	7.28E-04
6	_	105		26035.98	î	5894.03	1.6966	0.0303	0.0	0.0	5.47E-07	1.63E-05	1.458-04	6.51E-04
3	5	£1	52	5022.89	ž	5894.17	1.6966	0.0303	5.326-06	3.576-05	7.90E-05	1.14E-04	1.35E-04	1.44E-04 .
a.	-	123		29340.74	1	5894.23	1.6966	0.0303	0.0	0.0	0.0	6.908-07	8.43E-06	4.745-05
7	4	54	93	24138.43	i	5694.40	1.6965	0.0303	0.0	0.0	2.936-06	6.65F-05	4.936-04	1.948-03
8	5	30	29	11751.45	ž	5894.50	1.6965	0.0340	0.0	4.87E-06	5.426-05	2.07E-04	4.67E-04	7.86E-04
8	5	39	38	12818+19	2	5894.52	1.6965	0.0303	0.0	2.562-06	3.685-05	1 .64E-04	4.09E-04	7.426-04
9	6	5	4	12500.01	ī	5894.64	1.6965	0.0614	1.88E-07	4.56E-05	6.09E-04	2.595-03	6+296-03	1.125-02
á	5	31	30	11856.22	2	5894.92	1.6964	0.0335	0.0	4.62E-06	5.276-05	2.04E-04	4.65E-04	7.895-04
8	5	38	37	12685.95	2	5894.93	1.6964	0.0303	0.0	2.80E-06	3.90E-05	1.70E-04	4.20E-04	7.54E-04
8	Š	32	31	11964.44	2	5895.23	1.6963	0.0331	0.0	4+366-06	5.10E-05	2.01E-04	4.62E-04	7.89E-04
5	2	47	48	8665.59	ī	5895.23	1.6963	0.0303	2.836-05	1.095-03	5.815-03	1 #42E-02	2,39E-02	3.27F-02
8	5	27	35	12557.12	2	5895.24	1.6963	0.0308	0.0	3.056-06	4.11E-05	1 . 76E-04	4.29E-04	7.64E-04
ã	s	13	14	10837.26	i	5695.31	1.6963	0.0604	3.10E-06	3,39E-04	3.04E-03	1 . 02E-02	S-11E-05	3.346-02
ä	5	33	22	12076.10	2	5895.43	1.6962	0.0326	0.0	4.09E-06	4.925-05	1 .97E-04	4.58E-04	7.88E-04
ě	S	36	35	12431.72	2	5895.44	1.6962	0.0312	0.0	3.30E-06	4.32E-05	1.82E-04	4.38E-04	7.73E-04
6	3	19	20	6962.68	2	5895.52	1.6962	0.0535	3.81E-06	6.485-05	2.296-04	4.38E-04	6.24E-04	7.57E-04
8	5	34	33	12191.21	2	5895.54	1 +6962	0.0321	0.0	3.826-06	4.73E-05	1 + 925-04	4.526-04	7.85E-04
8	5	35	34	12309.75	2	5895.54	1 +6962	0.0317	0 + 0	3.56E-06	4.53E-05	1.87E-04	4.46E-04	7.80E-04
6	3	€\$	88	19878.00	2	5695.56	1.6962	0.6303	0.0	0.0	3.208-07	3.93E-06	1 + 945-05	5.695-05
7	4	3	4	8268+04	2	5895.56	1.6962	0.0511	2.465-07	7.81E-06	3.776-05	8.71E-05	1 - 41F-04	1.875-04
7	4	73	72	17393.93	2	5695.67	1.6962	0.0303	0.0	5.45E-08	2.356-06	S-02E-05	7.825-05	1.945-04
9	6	61	60	19033.64	1	5895,92	1.6961	0.0303	0.0	1.94E-06	1.24E-04	1.356-03	6.13E-03	1.70E-02
S	2	31	32	6066.97	2	5897.47	1 + 6956	0.0331	.9∗39E-06	1 • 04E-04	2.956-04	4 . 98E-04	6.52E-04	7-44E-04
9	6	S	5	12518.18	1	5697.54	1 + 6956	0.0617	2.22E-07	5.446-05	7.30E-04	3-116-03	7.576-03	1.35E-02 .
8	5	8¢	79	21803.77	#	5897.59	1 .6956	0.0303	0.0	1.48E-07	1 +846-05	2-995-04	1+77E-03	5.95F-03
7	ą.	26	27	9811-48	1	5898+23	1 + 6954	8950.0	1.38E-05	9.255-04	6.48E-03	1.87E-02	3.51E-02	5+19E-02
5	2	114		27551.67	1	5898+65	1 + 6953	£0£0.0	0.0	0.0	1.09E-07	4.05E-06	4.16E-05	2.076-04
6	3	37	38	9108.38	1	5898.71	1.6953	0.0303	2.685-05	1.28E-03	7.57E-03	1.986-02	3.47E~02	4 - 88E02
9	Ó	60	59	18820.86	ŧ	5898.95	1.6952	0.0303	0.0	2.305-06	1+40E-04	1.485-03	6.58E-03	1.80E-02
3	G	63	€4	7891-29	1	5899.10	1.6952	0.0303	9.15E-06	2.44E-04	1-08E-03	2.355-03	3.69E-03	4.77F-03
7	4	2	3	8253.60	2	5899.39	1.6951	0.0609	1.905-07	5.99E-06	2.885-05	6.646-05	1.076-04	1.425-04
7	4	72	71	17147-08	~	5899.63	1 . 6950	0.0303	0.0	6.73F-08	2.736-06	2.26E-05	8.57E-05	2.095-04
8	5	12	13	10785.94	1	5900,33	1+6948	0.0610	3.125-06	3.34E-04	2.95E-03	9.825-03	5.05E-05	3.196-02
8	6	7	Ó	12539.99	ì	5900.44	1.6948	0.0620	2.546-07	6.29E-05	8.48E-04	3.636-03	8.84E-03	1.57E-02
4	1	25	56	8161.53	1	5900+45	1.6948	0.0303	2.428-05	7.35E-04	3.465-03	7.905-03	1.27E-02 4.24E-04	1 * 67F~02 4 * 61E-04
4	1	41	42	5367.08	굺	5900.68	1.6947	0.0303	1.196-05	9.456-05	2.28E-04	3-465-04		7.49E-04
6	3	9.1	15	6891.30	25	5900+93	1.6946	0.0552	4.05E-06	6+66E-05	2.31E-04	4.38E-04 7.80E-05	6.20E-04 5.61F-04	2.16E-03
7	4	<b>\$3</b>	92	23613.70	1	5901.19	1.6946	0.0303	0 + 0	0 + 0	3-605-06	4.585-06	2.195-05	6.30E-05
6	3	88	27	19578.50	£	\$901.23	1 • 6946 1 • 6944	0.0303 0.0303	0.0 0.0	0.0 2.74E-06	3.89E-07 1.58E-04	1.62E-03	7.08E-03	1.916-02
9	- 6 - 3	55	\$8 103	18611.44	l i	5901.86 5902.10	1.6944	0.0303	0.0	0.0	5.93E-07	1.965-05	1.69E-04	7.39E-04
6	3	#Q4 88	1 ¢3	25674.78 4834.91	2	5902.10	1.6941	0.0303	6.895-05	4.235-05	8.96E-05	1.265-04	1.476-04	1.54E-04
3 8	\$ 5	79	78	21525.99	1	5902.77	1.6941	0.0303	0.0	1.89E-07	2.205-05	3.43E-04	1.98E-03	6.525-03
7	4	19	2	8243.23		5903.13	1.6940	0.0505	1.296-07	4.07E-06	1.956-05	4.49E-05	7.245-05	9.595-05
ģ	6	된	7	12555.43	i	5903.23	1.6940	0.0503	2:836-07	7.09F-05	9.626-04	4.13E-03	1.016-02	1-808-05
7	4	71	70	16903.43		5902.48	1.6939	0.0303	0.0	8.285~08	3-175-06	2.54E-05	9+385-95	2.25E-44
	-	• •							*					

γu	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	* INTEGRAT	ED ** ABSORE		EFFICIENT *	*****
				ENERGY		C M - 1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
5	2	46	47	8487.11	1	5903.77	1.6938	0.0303	3.61E-05	1.28F-03	6.52E-03	1.56E-02	2.586-02	3.47F-C2
5	2	30	31	5952.17	2	5904.05	1.6938	0.0335	1.08E-05	1 - 13F-04	3-14E-04	5 - 19E-04	6.72E-04	7.61E-04
4	1	122	121	28920.75	1	5904.41	1.6937	0.0303	0.0	0.0	0.0	8.56E-07	1.00E-05	5.49F-05
7	4	25	26	9711.93	1	5904.61	1.6936	0.0418	1.558-05	9.90E-04	6.77E-03	1.93E-02	3.59E-02	5.26F-02
9	6	58	57	18405.41	1	5904.66	1.6936	0.0303	0.0	3.25E-06	1.79F-04	1.78E-03	7.62E-03	2.036-02
8	5	11	12	10738.28	1	5905.24	1.6934	0.0617	3.12E-06	3.25F-04	2.85F-03			
9	6	5	8	12594.50	ī	5905.92	1.6932	0.0624	3.09E-07	7.85E-05		9.40E-03	1.93E-02	3.03E-02
6	3	36	37	8967.61	î	5906.22	1.6931	0.0324	3.09E-07		1.076-03	4.62E-03	1.13E-02	2.02E-02
6	3	17	18	6823.48	ž	5906.25	1.6931			1.445-03	8.226-03	2.10E-02	3.64E-02	5.08E-02
7	4	ċ	1	8236.14	2	5906.78		0.0568	4 • 27E-06	6-80E-05	2.32E-04	4 + 36F-04	6 • 1 3E - 0 4	7.37E-04
6	3	E7	86	19282.05	2	5906.79	1.6930	0.0603	6.59E-08	2.06E-06	9.89E-06	2.276-05	3.66F-05	4.85E-05
7	4	7 C	69	16662.99	2		1.6930	0.0303	0.0	0.0	4.71E-07	5.31E-06	2.47F-05	6.97E-05
ģ	6	57	56			5907.23	1.6928	0.0303	0.0	1.01E-07	3.67E-06	2.83E-05	1.02E-04	2.42E-04
5		113		18202.77	1	5907.34	1.6928	0.0303	0.0	3.84E-06	2.01E-04	1.95E-03	8.176-03	2.14E-02
8	5	78		27160.71	. 1	5907.77	1.6927	0.0303	0.0	0.0	1.42E+07	4.97E-06	4.92E-05	2.39F-04
	_		77	21251.42		5907.83	1.6927	0.0303	0.0	2.40E-07	2.615-05	3.92E-04	2.20E-03	7.12E-03
7	4	52	91	23492.04	1	5907.86	1.6927	0.0303	0.0	0.0	4.42E-06	9.14E-05	6.37E-04	2.40E-03
9	1	40	41	5216.33	2	5908.23	1.6926	0.0303	1.46E-05	1.08E-04	2.50E-04	3.72E-04	4.495-04	4183F+04
-	6	10	9	12627.20	1	5908.50	1.6925	0.0624	3.31E-07	8.54E-05	1.185-03	5.10E-03	1-25E-02	2.24E-02
3	-	62	63	7651.67	1	5909.26	1.6923	0.0303	1.28E-05	3.04E-04	1.27E-03	2.68E-03	4.09E-03	5.21E-03
4	1	54	55	7952.49	1	5909.80	1.6921	0.0303	3.24E-05	8.90E-04	3.99E-03	8.83E-03	1.39E-02	1.80F-02
9	6	56	55	18003.52	1	5909.92	1.6921	0.0303	0.0	4.53E-06	2.26E-04	2 • 1 2E-03	8.75E-03	2.26E-02
6		103		25316.52	1	5910.04	1.6920	0.0303	0.0	0.0	8.77E-07	2.366-05	1.96E-04	8.37E-04
8	5	1 Ç	11	10694.28	1	5910.06	1.6920	0.0625	3.07F-06	3.14E-04	2.72E-03	8.92F-03	1.825-02	2.86E-02
5	2	29	30	5840.91	2	5910.54	1.6919	0.0340	1.24E-05	1.23E-04	3.31E-04	5.40E-04	6.915-04	7.77F-04
7	4	69	68	16425.77	2	5910.86	1.6918	0.0303	0.0	1.24E-07	4.23E-06	3.16E-05	1.12F-04	2.59E~04
7	4	24	25	9616.03	1	5910.89	1.6918	0.0437	1.73E-05	1.05E-03	7.05E-03	1.98E-02	3.65E-02	5.32E-22
9	6	11	1 C	12663.53	1	5910.97	1.6918	0.0625	3.49E-07	9.176-05	1.276-03	5.55E-03	1.37E-02	2.46F-02
3	0	45	50	4650.41	2	5911.08	1.6917	0.0303	8.89E-06	4.99E-05	1.01E-04	1.39E-04	1.59E-04	1.64E-04
6	3	16	17	6759.20	2	5911.48	1.6916	0.0585	4.47E-06	6.905-05	2.32F-04	4.31E-04	6.03E-24	7.22F-04
5	2	45	46	8312.24	1	5912.21	1.6914	0.0303	4.58E-05	1.49E-03	7.3CE-03	1.70E-02	2.77E-02	3.68F-02
6	3	86	85	18988.68	2	5912.24	1.6914	0.0303	0.0	0.0	5.69E-07	6.15E-06	2.785-05	7.69E-05
9	6	55	54	17807.68	1	5912.38	1.6914	0.0303	0.0	5.31E-06	2.53E-04	2.31E-03	9.356-03	2.395-02
e	5	77	76	20980.08	1	5912.77	1.6913	0.0303	0.0	3.048-07	3.10E-05	4 . 47E-04	2.45E-03	7.77F-03
9	6	12	11	12703.48	1	5913.34	1.6911	0.0617	3.63E-07	9.746-05	1.36E-03	5.98E-03	1.4BE-02	2.67E-02
6	3	35	36	8830.47	1	5913.64	1.6910	0.0312	3.84E-05	1.61E-03	8.89E-03	2.23E-02	3.81E-02	5.278-02
7	4	1	C	8232.59	2	5913.77	1.6910	0.0603	6.76E-08	2.12F-06	1.01E-05	2.33E-05	3.750-05	4.96E-05
7	4	68	67	16191.77	2	5914.40	1.6908	0.0303	0.0	1.51E-07	4.87E-06	3.52F-05	1.21F-04	2.77E-04
7	4	91	90	23173.46	1	5914.41	1.6908	0.0303	0.0	0.0	5.40E-06	1 • 07E-04	7.22E-04	2.66F-03
4	1	121	120	28503.48	1	5914.47	1.6908	0.0303	0.0	0.0	0.0	1.06E-06	1.19E-05	6.356-05
9	6	54	53	17615.26	1	5914.72	1.6907	0.0303	0.0	6-21E-06	2.83E-04	2.51E-03	9.97E-03	2.51F-02
8	5	9	10	10653.94	1	5914.77	1.6907	0.0624	2.98E-06	2.99E-04	2.57E-03	8.376-03	1.70E-02	2.66E-02
9	6	13	12	12747.07	1	5915.60	1.6904	0.0510	3.74E-07	1.02F-04	1.45E-03	6.39E-03	1.59E-02	2:87E-02
4	1	39	4 C	5068.50	2	5915.68	1.6904	0.0303	1.78E-05	1.22E-04	2.73E-04	3.98E-04	4.74E-04	5.05E-04
6	3	15	16	6698.49	2	5916.61	1.6902	0.0591	4.64E-06	6.95E-05	2.30F-04	4.24E-04	5.90E-04	7.03F-04
5	2	112	111	26772.58	1	5916.76	1.6901	0.0303	0.0	0.0	1.83E-07	6.09E-06	5.81F-05	2.74E-04
5	2	28	29	5733.20	2	5516.94	1.6901	0.0359	1.41E-05	1.33E-04	3.50E-04	5.62E-04	7.12E-04	7.94E-04
9	6	€3	52	17426.27	1	5916.96	1.6901	0.0303	0.0	7.23E-06	3.15E-04	2.72E-03	1.06E-02	2.64E-02
7	4	23	24	9523.78	1	5917.06	1.6900	0.0457	1.925-05	1.12E-03	7.31E-03	2.035-02	3.70E-02	5.36F-02
7	4	2	1	8236.14	ž	5917-12	1.6900	0.0606	1.36E-07	4.27E-06	2.04E-05	4.70E-05	7.59E-05	1.00F-04
6	3	ε5	84	18698.40	2	5917.58	1.6899	0.0303	0.0	0.0	6.86E-07	7.11E-06	3.13E+05	8.48E-05
8	5	76	75	20711.97	- ī	5917.60	1.6899	0.0303	0.0	3.84E-07	3.67E-05	5.09E-04 \	2.72E-03	
9	6	14	13	12794.27	ī	5917.75	1.6898	0.0604	3.80E-07	1.06E-04	1.528-03	6.76E-03	1.69E-02	8.47E-03 3.06E-02
7	4	€7	66	15961.02	2	5917.82	1.6898	0.0303	0.0	1.83E-07	5.58E-06	3.905-05	1.32E-04	2.96E-04
					_			340000	3.0	. + 63E-07	2.205-00	2.906-05	1 4 3 2 5 7 0 4	Z + 70C - 14

VU	٧Ł	JU	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	* INTEGRAT	ED ** ABSORI CM*GI		EFFICIENT *:	******
				ENERGY		CP-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
_	_				-			0.0303	0.0	0.0	1.115-06	2.83E-05	2.27E-04	9.47E-04
6		102 53	54	24961.22 7747.04	1	5917.86 5919.06	1 • 6 8 9 8 1 • 6 8 9 5	0.0303	4.32E-05	1.07E-03	4.58E-03	9.85E-03	1.52E-02	1.94E-02
4	1	52	51	17240.70	1	5919.08	1.6895	0.0303	0.0	8-40E-06	3.49E-04	2.94E-03	1.13E-02	2.77F-02
3	0	61	62	7415.60	i	5919.33	1.6894	0.0303	1.78E~05	3.77E-04	1.49E-03	3.04E-03	4.54E-03	5.69F-03
8	5	8	9	10617.26	î	5919.38	1.6894	0.0624	2.86E-06	2.81E-04	2.39E-03	7.76E-03	1.57E-02	2.46E-02
3	0	48	49	4469.43	2	5919.40	1.6894	0.0303	1.14E-05	5.87E-05	1.14E-04	1.52E-04	1.71F-04	1.75E-04
9	6	15	14	12845.10	ī	5919.80	1.6892	0.0597	3.82E-07	1.10E-04	1.59E-03	7.11E-03	1.798-02	3.25E-02
7	4	3	2	8243.23		592C.37	1.6891	0.0609	2.05E-07	6.44E-06	3.098-05	7.11E-05	1.15E-04	1.526-04
5	2	44	45	8140.98	ī	5920.55	1.6890	0.0303	5.78E-05	1.74E-03	8.15E-03	1.85E-02	2.96E-02	3.90E-02
7	4	90	89	22857.99	ĩ	5920.84	1.6889	0.0303	0.0	4.12E-08	6.59E-06	1.25E-04	8.17E-04	2.95F-73
6	3	34	35	8696.97		5920.96	1.6889	0.0317	4.56E-05	1.79E-03	9.595-03	2.36E-02	3.98E-02	5.45E-02
9	6	51	5 C	17058.57		5921.09	1.6889	0.0303	0.0	9.71E-06	3.87E-04	3.17E-03	1.195-02	2.89E-02
7	4	66	65	15733.51	2	5921.14	1 • 6889	0.0303	0.0	2.21E-07	6.39E-06	4.32E-05	1.43E-04	3.16E-04
6	3	14	15	6641.34	2	5921.64	1.6887	0.0597	4.77E-06	6.95E-05	2.27E-04	4.15E-04	5.74E-04	6.82E-04
9	6	16	15	12899.54	1	5921.74	. 1.6887	0.0591	3.81E-07	1 • 12E-04	1.65E-03	7.43E-03	1.87E-02	3.42E-02
8	5	75	74	20447.11	1	5922.31	1 •6885	0.0303	0.0	4.82E-07	4.33E-05	5.78E-04	3.01E-03	9.21E-03
6	3	€4	83	18411.21	2	5922.81	1.6884	0.0303	0.0	0.0	8.25E-07	8.20E-06	3.51E-05	9.33E-05
9	б	€0	49	16879.49	1	5922.99	1.6883	0.0303	0.0	1.12E-05	4.27E-04	3.41E-03	1.26E~02	3.02E-02
4	1	38	39	4924.21	2	5923.05	1.6883	0.0303	2.15E-05	1.38E-04	2.98E-04	4.25E-04	4.99E-04	5-276-04
7	4	22	23	9435,20	1	5923.14	1.6883	0.0476	2.11E-05	1.18E-03	7.54E-03	2.07E-02	3.74E-02	5.38E-02
5	2	27	28	5629.04	2	5923.24	1.6883	0.0379	1.60E-05	1 • 44E-04	3.68E-04	5.82E-04	7.31E-04	8.09E-04
7	4	4	3	8253.66	2	5923.52	1.6882	0.0611	2.72E-07	8.60E-06	4 • 1 4E-05	9.54E-05	1.54E-04	2.04E-04
9	6	17	16	12957.61	1	5923.58	1.6882	0.0585	3.76E-07	1 . 14E-04	1.70E-03	7.71E-03	1.96E-02	3.59E-02
8	5	7	8	10584.25	1	5923.88	1.6881	0.0623	2.69E-06	2.60E-04	2.20E-03	7.10E-03	1.43E~02	2.23E-02
7	4	65	64	15509.25		5924.35	1 • 6879	0.0303	0.0	2.66E-07	7.29E-06	4.77E-05	1.55E-04	3.37E-04
4	1			28088.95	1	5924.40	1.6879	0.0303	0.0	0.0	0.0	1.31E-06	1.42E-05 1.33E-02	7.32E-05 3.15E-02
9	6	49	4.8	16704.66	1	5924.77	1.6878	0.0303	0.0	1.28E-05	4.69E-04	3.66E-03 7.96E-03	2.03E-02	3.74E-02
9	6	18	17	13019.29	1	5925.30	1.6877	0.0568	3.68E-07	1.15E-04 0.0	1.74E~03 1.39E-06	3.38E-05	2.63E-04	1.076-03
6	-	101		24608.89	1	5925.57	1.6876	0.0303	0.0	0.0	2.37E-07	7.44E-06	6.85E-05	3.15E-04
5		111		26387.31	1	5925.64	1.6876	0.0303 0.0303	0.0	1.47E-05	5.15E-04	3.91E-03	1.40E-02	3.28E-02
9	6	4.5	47	16532.89	1	5926.44	1 • 6874	0.0303	4.85E-06	6.89E-05	2.22E-04	4.04E-04	5.55E-04	6.57F-04
6	3	13	14	6587.74		5926.57	1.6873 1.6873	0.0614	3.38E-07	1.07E-05	5.18E-05	1.20E-04	1.94E-04	2.57E-04
7	4		73	8268.04	2	5926.58 5926.91	1.6872	0.0303	0.0	6.04E-07	5.095-05	6.55E-04	3.33E-03	1.00E-02
8 9	5	74 19	18	20185.51 13084.53	1	5926.91	1.6872	0.0552	3.57E-07	1.15E-04	1.76E-03	8.17E-03	2.105-02	3.88E-02
7	6 4	52	88	22545.62		5927.15	1.6872	0.0303	0.0	5.44E-08	8.08E-06	1 . 46E-04	9.29E-04	3.28E-03
,	4	64	63	15288.27		5927.45	1.6871	0.0303	0.0	3.19E-07	8.29E-06	5.26E-05	1.676-04	3.588-04
á	ō	47	48	4291.95		5927.62	1.6870	0.0303	1.46E-05	6.88E-05	1.28E-04	1.67E-04	1.84E-04	1.86E-04
6	3	23	82	18127.12		5927.93	1.6869	0.0303	0.0	0.0	9.89E-07	9.44E-06	3.93E-05	1-02E-04
9	6	47	46	16364.60		5928.01	1.6869	0.0303	0.0	1.67E-05	5.63E-04	4 • 18E-03	1.476-02	3.40E-02
6	3	33	34	8567.12		5928.18	1 -6869	0.0321	5.38E-05	1.98E-03	1.03E-02	2.49E-02	4.15E-02	5.63E-02
4	1	52	53	7545.17		5928.22	1.6868	0.0303	5.72F-05	1.29E-03	5.25E-03	1.10E-02	1.65E-02	2.09E-02
8	5	6	7	10554.90		5928.28	1.6868	0.0620	2.47F-06	2.36E-04	1.98E-03	6.37E-03	1.28E-02	2.00F-02
9	6	20	19	13153.48		5928.43	1.6868	0.0535	3.44E-07	1 • 1 4 E-04	1.795-03	8.35E-03	2.16E-02	4.01E-02
5	2	43	44	7973.35	1	5928.80	1.6867	0.0303	7.25E-05	2.01E-03	9.06E-03	2.018-02	3.16E-02	4 • 1 2E-02
7	4	21	22	9350.27	1	5929.12	1.6866	0.0496	2.305-05	1.24E-03	7.75E-03	2.10E-02	3.77E-02	5.39F-02
3	0	€0	61	7183.08	1	5929.30	1 • 6 8 6 5	0.0303	2.46F-05	4.66E-04	1.74E-03	3.44E-03	5.02E-03	6.20E-03
5	2	26	27	5528.43	2	5929.45	1.6865	0.0398	1.815-05	1.54E-04	3.86E-04	6.02E-04	7.48E-04	8.23E-04
9	6	46	45	16199.77	1	5929.46	1.6865	0.0303	0.0	1.89E-05	6 • 1 3E-04	4.456-03	1.54E-02	3.52E-02
7	4	6	5	8285.77		5929.53	1.6865	0.0617	4.00E-07	1.28E-05	6.21E-05	1 • 44E-04	2.33E~04	3.10E-04
9	6	21	20	13225.99		5929.83	1.6864	-0.0515	3.29E-07	1.13E-04	1.80E-03	8.49E-03	2.218-02	4.13E-02
4	1	37	38	4783.45		5930.32	1 • 6862	0.0303	2.59E-05	1.55E-04	3.24E-04	4 • 53E-04	5.24E-04	5.48F-04
7	4	63	62	15070.55	2	5930.45	1.6862	0.0303	0.0	3.81F-07	9.41E-06	5.78E-05	1.805-04	3.80E-04

VÜ	٧L	JU	JŁ	LCWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSOR		FFFICIENT *	*****
				ENERGY		C#-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
g	6	45	44	16038.43	1	593C.79	1.6861	0.0303	0.0	2.14F-05	6.66E-04	4.725-03	1.61E-02	3.64F-02
G	6	22	21	13302.10	1	5931.13	1 - 6 8 6 0	0.0496	3.11E-07	1.116-04	1.80E-03	8.60E-03	2.25F-02	4.23F-C2
5	2	96	95	20162.75	2	5931.20	1.6860	0.0303	0 • C	0.0	1.54E-07	1.976-06	9.94F-06	
8	5	73	72	19927.13	1	5931.39	1 • 6859	0.0303	0.0	7.54F-07	5.980-05	7.41F-04	3.67E-03	2.98E-05
6	3	12	13	6537.71	2	5531.42	1.6859	0.0610	4.89F-06	6.78E-05	2.16F-04	3.89E-04	5-33E-04	1.08E-02
9	6	44	43	15880.58		5932.02	1.6858	0.0303	0.0	2.40F-05	7.22F-04	5.00E-03	1.68E-02	6.29E-04
5	6	23	2 ž	13381.82		5932.31	1.6857	0.0476	2.93E-07	1.09E-04	1.79E-03			3.76E-02
7	4	7	6	8307.03		5932.39	1.6857	0.0520	4.57E-07	1.48E-05	7.23E-05	8•67E-03 1•68E-04	2.29E-02 2.72F-04	4.32E-02
.8	5	5	6	10529.21	1	5932.58	1.6856	0.0617	2.228-06	2.09E-04	1.74E-03	5.59E-03	1.12F-02	3.635-24
6	3	82	<b>E</b> 1	17846.16		5932.94	1.6855	0.0303	0.0	0.0	1.18E-06	1.08E-05		1.74E-02
9	6	43	42	15726.23	1	5933.14	1.6854	0.0303	0.0	2.695-05	7.795-04	5.28E-03	4.39E-05 1.75E-02	1.12E-04 3.87E-02
6	3	100	99	24259.57	1	5933.15	1.6854	0.0303	0.0	0.0	1.75E-06	4 • 04E-05	3.036-04	3 .
7	4	62	€1	14856.11	2	5933.34	1.6854	0.0303	0.0	4.545-07	1.06E-05	6.356-05	1.93F-04	1-20E-03 4-02E-04
7	4	€ 6	87	22236.39	1	5933.35	1.6854	0.0303	0.0	7.17E-08	9.885-06	1.71E-04	1.06E-03	3.65E-03
9	6	24	23	13465.12	ı	5933.39	1 6954	0.0457	2.74E-07	1.065-04	1.78E-03	8.708-03	2.32E-02	4.40E-02
9	6	42	41	15575.37	1	5934.14	1.6852	0.0303	0.0	3.00E-05	8.38E-04	5.56E-03	1.816-02	3.97E-02
4	1	119	118	27677.16	1	5934.22	1.6851	0.0303	0.0	0.0	4.31E-08	1.63E-06	1.705-05	8.51F-05
9	6	25	24	13552.03	1	5934.36	1 • 6 8 5 1	0.0437	2.54E-07	1.025-04	1.76E-03	8.70E-03	2.34F-02	4.46E-02
5	2	110	109	26004.91	1	5934.39	1.6851	0.0303	0.0	0.0	3.06F-07	9.085-06	8.06E-05	3.61F-04
7	4	20	21	9269.02	1	5934.99	1.6849	0.0515	2.50E-05	1.29F-03	7.92E-03	2.12E-02	3.78E-02	5.37E-02
9	6	41	40	15428.02	1	5935.03	1.6849	0.0303	0.0	3.34E-05	8.99E-04	5.836-03	1.83E-02	4.07E-32
7	4	8	7	8331.84	2	5935.14	1 . 6849	0.0623	5-10F-07	1.67E-05	8.216-05	1.91E-04	3.11E-04	4.15E-04
9	6	26	25	13642.53	1	5935.23	1.6849	0.0418	2.34E-07	9.84E-05	1.73E-03	8.67E-03	2 35E-02	4.516-02
6	3	32	33	8440.93	1	5935.30	1.6848	0.0326	6.30F-05	2.19E-03	1.10E-02	2.62E-02	4.31E-02	5.79E-02
5	2	25	26	5431.39	2	5935.56	1.6848	0.0418	2.02F-05	1.65E-04	4.03E-04	6.20E-04	7.63E-04	8.34E-04
3	C	46	47	4117.99	2	5935.76	1.6847	0.0303	1.85E~05	8.03F-05	1.43F-04	1.82E-04	1.98E-04	1.98F-C4
8	5	72	71	19672.14	1	5935.76	1.6847	0.0303	0.0	9.38F-07	6.995-05	8.36E-04	4.04E-03	1.17F-02
9	6	40	39	15284.19	1	5935.82	1.6847	0.0303	0.0	3.69F-05	9.62F-04	6.11E-03	1.94F-02	4.17E-02
9	6	27	26	13736.61	1	5935.98	1.6846	0.0398	2.14E-07	9.425-05	1.69E-03	8.61E-03	2.35F-02	4.55E-02
7	4	€l	60	14644.96	2	5936.13	1.6846	0.0303	0.0	5.39E-07	1.20E-05	6.94F-05	2.07F-24	4.25E-04
ć	3	11	12	6491.25	2	5936.16	1.6846	0.0617	4.87E-06	6.61E-05	2.08E-04	3.73E-04	5.08E-04	5.976-04
9	6	39	38	15143.88	1	5936.49	1.6845	0.0303	4.71E-08	4.07E-05	1.025-03	6.38E-03	2.00F-02	4.25E-02
9	6	28	27	13834.28	1	5936.62	1.6845	0.0379	1.95F-07	A.98E-05	1.65E-03	8.51E-03	2.35F-02	4.57E-02
8	5	4	5	10507.20	1	5936.77	1 - 6 8 4 4	0.0514	1.92E-06	1.80F-04	1.49E-03	4.76F-03	9.55E-03	1.48E-02
5	2	42	43	7809.34	1	5936.95	1.6844	.0.0303	9.048-05	2.328-03	1.00E-02	2-18E-02	3.37E-02	4.34E-02
9	6	36	37	15007.09	1	5937.05	1.6843	0.0303	5.52E-08	4 - 475-05	1.096-03	6.656-03	2.05F-02	4.336-02
9	6	29	28	13935.53	1	5937.16	1.6843	0.0359	1.76E-07	8.51E-05	1.60E-03	8.39E-03	2.34F-02	4.586-02
4	1	51	52	7346.91	1	5937.28	1.6843	0.0303	7.53E-05	1.54E-03	5.99F-03	1.225-02	1.808-02	2.25E-02
. 4	1	36	37	4646.24	2	5937.50	1 • 6 8 4 2	0.0308	3.09E-05	1.73E-04	3.51E-04	4.81E-04	5.50E-04	5.69E-04
9	6	37	36	14873.83	1	5937.50	1.6842	0.0308	6 • 44E-08	4.88E-05	1.15F-03	6.90F-03	2 1 2F-02	4.40E-02
9	6	3 C	29	14040.35	1	5937.58	1.6842	0.0340	1.58E-07	8.035-05	1.556-03	8.24F-03	2.326-02	4.58E-02
5	2	96	94	19839.07	2	5937.60	1.6842	COEC.0	0.0	0.0	1.89E-07	2.31E-06	1.13E-05	3.32F-05
7	4	9	8	8360.19	4	5937.80	1.6841	0.0524	5.586-07	1.855-05	9.15E-05	2.14E-04	3.49E-04	4.67E-04
6	3	£ 1	eo	17568.32	2	5937.84	1.6841	0.0303	0.0	0.0	1.41E-06	1.24E-05	4.90E-05	1.23F-04
9	6	36	35	14744.11	1	5937.84	1.6841	0.0312	7.45E-08	5.31E-05	1.226-03	7 • 1 4 E = 03	2.15E-02	4.46E-02
9	6	31	30	14148.75	1	5937.90	1.6841	0.0335	1.42E-07	7.585-05	1.50F-03	8.126-03	2.31E-02	4.595-02
9	6	25	34	14617.93	1	5938.08	1.6840	0.0317	8-58E-08	5.76F-05	1.28E-03	7.37E-03	2.19E-02	4.51É-02
9	6	32	31	14260.70	1	5938.11	1.6840	0.0331	1.26E-07	7.13E-05	1.45E-03	7.96E-03	2.29E-02	4.596-02
9	6	34	33	14495.30	1	5938-20	1.6840	0.0321	9.81E-08	6.21E-05	1.34E-03	7.59E-03	2.236-02	4.54E-02
9 7	6 4	33	32 59	14376.23	1	5938.21	1.6840	0.0326	1.12E-07	6.67E-05	1.40E-03	7.78E-03	2.26F-02	4.576-02
3	0	6C		14437-11	2	5938.80	1.6838	0.0303	C • O	6.37E-07	1.35E-05	7.58E-05	2.21E-04	4.49F-04
7	4	59 67	60	6954.12	1	5939.17	1.6837	0.0303	3.38E-05	5.74F-04	2.03E-03	3.89E-03	5.55E-03	6.73F-03
•	4	c 1	86	21930.29	1	5939.43	1.6837	0.0303	0.0	9.416-08	1.21E-05	1.99E-04	1.206-03	4.05E-03

VU	٧L	٦u	JŁ	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATE	ED ** ABSOR		EFFICIENT *	****
				ENERGY		C M-1	MICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
8	s	71	70	19420.38	1	5940.01	1 • 6 8 3 5	0.0303	0.0	1.16E-06	8.16E-05	9.41E-04	4.44E-03	1.27E-02
7	4	10	9	8392.08	2	5940.36	1.6834	0.0524	5.99E-07	2.02E-05	1.00E-04	2.36E-04	3.87E-04	5.18F-04
6	3	55	58	23913.24	1	5940.62	1.6833	0.0303	0.0	0.0	2.195-06	4 • 81 E-05	3.49€-04	1.366-03
7	4	15	20	9191.44	1	5940.76	1.6833	0.0535	2.68F-05	1.33E-03	8.06E-03	2.136-02	3.77F-02	5.346-02
6	3	1 C	11	6448.35	2	5940.81	1.6833	0.0625	4.79E-06	6.37E-05	1.99E-04	3.54E-04	4.80E-04	5.62E-04
8	5	3	4	10488.85	1	5940.86	1.6833	0.0611	1.59E-06	1.48E-04	1.22E-03	3.88E-03	7.77E-03	1.20E-02
7	4	59	58	14232.57	2	5941.38	1.6831	E080.0	0.0	7.55E-07	1.52E-05	8.31E-05	2.38E-04	4 . 75E-04
5	2	24	25	5337.91	2	5941.58	1.6831	0.0437	2.25E-05	1.75E-04	4-195-04	6.36E-04	7.76E-04	8.43E-04
6	3	31	32	8318.38	1	5942.32	1.6828	0.0331	7.34E-05	2.40E-03	1.18E-02	2.74E-02	4.46E-02	5.95E-02
6	3	80	75	17293.62	2	5942.64	1.6828	0.0303	0.0	0.0	1.68E-06	1.42E-05	5.46E-05	1.35E-04
7	4	11	10	8427.51	2	5942.82	1.6827	0.0625	6.33E-07	2.17E-05	1.09E-04	2.58E-04	4.23E-04	5.68E-04
5		109	108	25625.40	1	5943.02	1.6826	0.0303	0.0	0.0	3.93E-07	1.11E-05	9.47E-05	4 - 13E-04
3	0	45	46	3947.55	2	5943.80	1.6824	0.0303	2.33E-05	9.336-05	1.60E-04	1 • 98E-04	2 - 1 2E-04	2.09E-04
7	4	58	57	14031.34	2	5943.84	1.6824	0.0303	0.0	8.92E-07	1.71E-05	9.08E-05	2.55E-04	5.03F-04
5	2	94	93	19518.39	2	5943.90	1.6824	0.0303	0.0	0.0	2.32F-07	2.70E-96	1.29E-05	3.69E-05
4		118	117	27268.14	1	5943.91	1.6824	0.0303	0.0	0.0	5.67E-08	2.02E-06	2.02E-05	9.896-05
8	5	7 C	65	19171.93	1	5944.14	1.6823	0.0303	0.0	1.44E-06	9.50E-05	1.06E-03	4 • 87F-93	1.36E-02
4	ľ	35	36	4512.58	2	5944.59	1.6822	0.0312	3.67E-05	1.93E-04	3.79E-04	5 - 10E-04	5.75E-04	5.90E-04
8	5	2	3	10474.17	1	5944.84	1.6821	0.0609	1.23E-06	1.13E~04	9.30E-04	2.96E-03	5.92E-03	9.155-03
5	2	41	42	7648.97	1	5944.99	1.6821	0.0303	1.12E-04	2.668-03	1.11E-02	2.35E-02	3.59E-02	4.57E-02
7	4	12	11	8466.48	ے	5945.18	1.6820	0.0617	6.60E-07	2.31E-05	1.17E-04	2.78E-04	4.58E-04	6.16E-04
6	3	9	10	6409.62	2	5945.36	1.6820	0.0624	4.65E-06	6.075-05	1.888-04	3.32E-04	4-49E-04	5.246-04
7	4	£ 6		. 21627.34	1	5945.39	1.6820	0.0303	0.0	1.23F-07	1.47E-05	2.325-04	1.35E-03	4.49F-03
7	4	57	56	13833.44	2	5946.21	1.6817	0.0303	0.0	1.05F-06	1.92E-05	9.90E-05	2.73E-04	5.316-04
4	1	50	51	7152.25	1	5946.25	1.6817	0.0303	9.85E-05	1.84E-03	6.82E-03	1.35E-02	1.96E-02	2.41E-02
7	4	16	19	9117.53	1	5946.43	1.6817	0.0552	2.86E-05	1.37E-03	8.15E-03	2.13E-02	3.75E-02	5.28E-02
€	3	79	78	17022.07	2	5947.33	1.6814	0.0303	0.0	5.06E-08	1.99E-06	1.62E-05	6.08E-05	1.47F-14
7	4	13	12	8508.98	2	5947.44	1.6814	0.0610	6.80E-07	2.43E-05	1.24E-04	2 • 97E-04	4.92E-04	6.63F-04
5	2	23	24	5247.99	2	5947.51	1.6814	0.0457	2.48E-05	1.86E-04	4.34E-04	6.50E-04	7.86E-04	8.49E-04
6	3 5	98	97	23569.94	1	5947.97	1.6812	0.0303	0.0	0.0	2.73E-06	5.72E-05	4.02E-04	1.52E-03
8 7		69	68	18926.79	1	5948-17	1.6812	0.0303	0.0	1.77E-06	1.1CE-C4	1.18E-03	5.33E-03	1-47F-02
8	4 5	56 1	65 2	13638.80	2	5948.46	1.6811	0.0303	0.0	1.23E-06	2.156-05	1.08E-04	2.92E-04	5.59E-04
3	0	5.5	59	6728.75	1	5948.72 5948.94	1.6810	0.0606	8.41E-07 4.64E-05	7.69E-05 7.07E-04	6.30E-04	2.00E-03	4.00E-03 6.14E-03	6.18E-03 7.34E-03
6	3	30	31		1		1.6810	0.0303			2.37E-03	4.395-03		
7	4	14	13	8199.50 8555.02	2	5949.24 5949.60	1.6809 1.6808	0.0335 0.0604	8.50E-05 6.93E-07	2.63E-03 2.53E-05	1.25E-02 1.31E-04	2.87E-02 3.15E-04	4.61E-02 5.23E-04	6.10F~02 7.09E~04
é	3	ŧ	9	6373.27	2	5949.81	1.6807	0.0624	4.45E-06	5.70F-05	1.756-04	3.08E-04	4 • 15E-04	4.83E-04
5	2	93	92	19200.73	ے	5950.09	1.6806	0.0303	0.0	0.0	2.83E-07	3.16E-06	1.46F-05	4.09E-05
7.	4	55	54	13447.62	2	5950.61	1.6805	0.0303	0.0	1.44F-06	2.40E-05	1.17E-04	3.11E-04	5.88E-04
7	4	85	84	21327.55	1	5951.23	1.6803	0.0303	0.0	1.615-07	1.78E-05	2.70E-04	1.53E-03	4.97E-03
5			107	25248.79	ì	5951.54	1.6802	0.0303	0.0	0.0	5.05E-07	1.358-05	1.11E-04	4.72E-04
4	ī	34	35	4382.47	ż	5951.58	1.6802	0.0317	4.34E-05	2.14E-04	4 • 07E-04	5.38E-04	5.99E-04	6.100-04
7	4	15	14	8604.60	2	5951.66	1.6802	0.0597	6.98E-07	2.61E-05	1.37E-04	3.32E-04	5.54E-04	7.52E-04
3	ō	44	45	3780.65	2	5951.76	1.6802	0.0303	2.92E-05	1.08E-04	1.78E-04	2.16E-04	2.27E-04	2.21E-04
. 6	3	78	77	16753.69	2	5951.90	1.6801	0.0303	0.0	6.39E-08	2.36F-06	1.856-05	6.75F-05	1.60E-04
7	4	17	18	9047.30	1	5952.00	1.6801	0.0568	3.03E-05	1.41E-03	8.21E-03	2.13E-02	3.71E-02	5.2CE-02
ė	5	68	67	18684.90	1	5952.07	1.6801	0.0303	0.0	2.175-06	1.28F-04	1.32E-03	5.82E-03	1.586-02
ě	5	C	1	10455.82	i	5952.49	1.6800	0.0603	4.28E-07	3.90E-05	3.19E-04	1.01E-03	2.02F-03	3.12E-03
7	4	54	53	13259.72	2	5952.66	1.6799	0.0303	0.0	1.67E-06	2.67E-05	1.275-04	3.31E-04	6.18E-04
5	2	4 C	41	7492.24	1	5952.94	1.6798	0.0303	1.38E-04	3.04E-03	1.22E-02	2.53E-02	3.81E-02	4.80E-02
5	2	22	23	5161.65	ž	5953.34	1.6797		2.725-05	1.95E-04	4.48E-04	6.62E-04	7.94E-04	8.52F-04
4		117		26661.92	1	5953.48	1.6797	0.0303	0.0	0.0	7.45E-08	2.51E-06	2.41F-05	1.15E-04
7	4	16	15	8657.70		5,953.62	1.6797	0.0591	6.98E-07	2.68E-05	1.425-04	3.47E-04	5.82F-04	7.93F-C4
						-								

٧U	٧L	JL	JŁ	LCWER State	CODE	WAVE	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORS		EFFICIENT *	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
6	3	7	8	6341.05	2	5954.17	1.6795	0.0623	4.18E-06	5.28E-05	1.60E-04	2.81E-04	3.78E-04	4.395-04
7	4	53	52	13075.18	2	5954.60	1.6794	0.0303	0.0	1.94F-06	2.96E-05	1 • 37E-04	3.51E-04	6.47E-04
4	1	45	50	6961.23	1	5955.12	1.6792	0.0303	1.28E-04	2.19E-03	7.74E-03	1.49E-02	2.12E-02	2158E-02
É	3	57	56	23229.63	1	5955.20	1.6792	0.0303	0.0	0.0	3.40E-06	6.79E-05	4.61E-04	1.71E-03
7	, 4	17	16	8714.33	2	5955.48	1.6791	0.0585	6.90E-07	2.72E-05	1.46E-04	3.60E-04	6.08E-04	8.328-04
8	5	67	66	18446.48	1	5955.86	1.6790	0.0303	0.0	2.658-06	1.47E-04	1.47E-03	6.34E-03	1.69E-02
6	3	29	30	8084.29	1	5956.06	1.6790	0.0340	9.78E-05	2.86E-03	1.32E-02	2.99E-02	4.75E-02	6.24F-02
5	2	52	91	18886.10	2	5956.17	1.6789	0.0303	0.0	0.0	3.46E-07	3.68E-06	1.65E-05	4.53E-05
6,	3	77	76	16488.47	2	5956.37	1.6789	0.0303	0.0	8.04E-08	2.795-06	2.10E-05	7.48F-05	1.74E-04
7	4	52	51	12893.99	2	5956.43	1.6789	0.0303	0.0	2.24E-06	3.28E-05	1 . 47E-04	3.72E-04	6.77E-04
7	4	84	83	21030.94	1	5956.96	1.6787	0.0303	0.0	2.09E-07	2.15E-05	3 - 13E-04	1.72E-03	5.49F-03
7	4	18	17	8774.49	2	5957.24	1.6786	0.0568	6.77E-07	2.75E-05	1.50E-04	3.72E-04	6.32E-04	8.69E-04
7	4	16	17	8980.75	1	5957.47	1.6786	0.0585	3.18F-05	1.43F-03	8.21E-03	2.11F-02	3.65E-02	5.10E-02
7	4	51	50	12716.17	2	5958.16	1.6784	0.0303	0.0	2.58E-06	3.62E-05	1.59E-04	3.93E-04	7.07F-04
6	3	6	7	6312.47	2	5958.43	1.6783	0.0620	3.84E-06	4.79E-05	1.45E-04	2 • 52E-04	3.93E-04 3.38E-04	3.93F-04
4	1	33	34	4255.91	2	5958.48	1.6783	0.0321	5.10E-05	2.37E-04	4.37E-04	5.67E-04	6.24E-04	6.29E-04
3	0	57	58	6506.95	1	5958.62	1.6782	0.0303	6.33E-05	8.69E-04	2.76E-03	4.96E-03	6.78E-03	7.98E-03
7	4	15	18	8838.17	2	5958.90	1.6782	0.0552	6.59E-07	2.76E-05	1.535-04	3.83E-04	6.54E-04	
5	2	21	22	5078.68	2	5959.07	1.6781	0.0496	2.96E-05	2.04E-04	4.59E-04			9.025-04
8	5	66	65	18211.34	1	5959.54	1.6780	0.0303	0.0	3.22E-06	1.69E-04	6.71E-04	7-99E-04	8.52E-04
3	0	43	44	3617.28	2	5959.62	1.6780	0.0303	3.65E-05	1 • 25E-04	1.97E-04	1.64E-03	6.89E-03	1.81E-02
8	5	1	c	10452-15	1	5959.73	1.6779	0.0603	4.396-07	4.00E-05	3.27E-04	2.34E-04	2.42E-04	2:33E-04
7	4	50	49	12541.73	2	5959.79	1.6779	0.0303	0.0	2.96F-06	3.986-05	1 • 04E-03	2.07E-03	3-19E-03
5	2	107		24875.10	ì	5959.93	1.6779	0.0303	0.0	0.0		1.70E-04	4 - 1 4E-04	7.376-04
7	4	20	19	8905.38	یے	5960.46	1.6777	0.0535	6.36E-07	2.75E-05	6.46E-07 1.55E-04	1.63E-05	1.30E-04	5.39F-04
6	3	76	75	16226.44	2	5960.73	1.6776	0.0303	0.502-01	1.01E-07	3.28E-06	3.92E-04	6.73E-04	9.33E-04
5	2	35	40	7239.16	1	5960.80	1.6776	0.0303	1.69F-04	3.466-03	1.34E-02	2.38F-05 2.72E-02	8.27F-05 4.03E-02	1.89E-04
7	4	49	48	12370.66	2	5961.31	1.6775	0.0303	0.0	3.38E~06	4.36E-05			5.02E-02
7	4	21	20	8976.10	2	5 96 1 • 92	1.6773	0.0515	6.09E-07	2.72E~05	1.56E-04	1.82E-04 3.99E-04	4.36E-04	7.67E-04
Š	2	91	90	18574.52	2	5962.14	1.6773	0.0303	0.0	0.0	4.21E-07		6.90E-04	9.62F-04
6	3	96	95	22892.46	1	5962.31	1.6772	0.0303	0.0	0.0		4-29E-06	1.86E-05	5.01F-05
7	4	£3	62	20737.52	1	5962.57	1.6771	0.0303	0.0	2.70F-07	4.23E-06 2.60E-05	8.03E-05	5.29E-04	1.91E-03
6	3	5	6	6287.43	2	5962.60	1.6771	0.0617	3.45E-06	4.24F-05		3.62E-04	1.94E-03	6.06E-03
7	4	48	47	12202.98	2	5962.72	1.6771	0.0303	C • O	3.84E-06	1.27E-04	2 • 21 E = 04	2.96E-04	3.43E-04
6	3	28	25	7972.75	ī	5962.78	1.6771	0.0359	1 • 1 2E-04	3.11E-03	4.77E-05 1.40E-02	1 • 94 E-04	4.58E-04	7.96F-04
7	4	15	16	8917.88	1	5962.83	1.6771	0.0591	3.31E-05	1.44E-03	8.16E-03	3.11E-02	4.905-02	6.38E-02
4	1	116	115	26458.50	1	5962.93	1.6770	0.0303	0.0	0.0	9.77E-08	2.08E-02 3.10E-06	3.58E-02	4.97E-02
8	5	€5	64	17979.55	ī	5963.10	1.6770	0.0303	0.0	3.91E-06	1.94E-04		2.87E-05	1.33E-04
8	5	2	1	10455.82	ī	5963.19	1.6770	0.0606	8.85E-07	8.07E-05	6.60E-04	1.82E-03 2.09E-03	7.48E-03 4.18E-03	1.93E-02
7	4	22	21	9050.34	2	5963.27	1.6769	0.0496	5.79E-07	2.680-05	1.56E-04			6.46E-03
4	1	4 E	45	6773.78	1	5963.89	1.6768	0.0303	1.66E+04	2.59E-03	8.76E-03	4.04E-04	7.05E-04	9.87F-04
7	4	47	46	12038.69	یے	5964.04	1.6767	0.0303	0.0	4.36E-06		1.64E-02	2.30E-02	2.75E-02
7	4	23	22	9128.10	2	5964.53	1.6766	0.0476	5.47E-07		5.20E-05	2.07E-04	4.80E-04	8.24E-04
5	2	20	21	4999.65	2	5964.71	1.6765	0.0515	3.216-05	2.63E-05	1.56F-04	4.08E-04	7.17E-04	1.01E-03
6	3	75	74	15967.60	2	5964.99	1.6764	0.0303	0.0	2+13E-04	4.69E-04	6.77E-04	8.01E-04	8.50E-04
7	4	46	45	11877.80	2	5965.24	1.6764	0.0303	0.0	1.26E-07	3.85E-06	2.70E-05	9.13F-05	2.05E-04
4	1	32	33	4132.93	2	5965.28	1.6764	0.0326	5.95E-05	4.92E-06	5.64E-05	2 • 1 9 E → 04	5.01E-04	8.52E-04
7	4	24	23	9209.37	2	5965.68	1.6763	0.0326	5.95E-05 5.13E-07	2.615-04	4.67E-04	5 • 95E-04	6.47E-04	6.47E-04
7	4	45	44	11720.32	2	5966.35	1.6761	0.0303	0.0	2.56E-05 5.53E-06	1.55E-04	4 •40E-04	7.26E-04	1.03E-03
8	5	3	2	10463.16	1	5966.55	1.6760	0.0609	1.335-06	1.225-04	6.11F-05 9.97E-04	2.32E-04	5.23E-04	8.80E-04
皮	5	64	63	17751.12	ī	5966.55	1.6760	0.0303	0.0	4.73E-06		3.17E-03	6.33E-03	9.785-03
é	3	4	5	6265.97	2	5966.66	1.6760	0.0503	2.995-06	3.64E-05	2.22E-04 1.09E-04	2.02E-03	8.11F-03	2.06E-02
7	4	25	24	9294.14	2	5 966 • 74	1.6760	0.0014	4 • 77E - 07	2.485-05		1.88E-04	2.51F-04	2.91E-04
			-		_			040401	4 . 1 . C - U /	£ • 40C-US	1.53E-04	4 • 1 1 E-04	7.33E-04	1.04E-03

VU	VL	JU	JL	LCWER STATE	CODE	WAVE	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSORE		EFFICIENT *	****
				ENERGY		C M-1	PICRON	Н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
7	4	44	43	11566.25	2	5967.34	1 • 6758	0.0303	4.01E-08	6.20E-06	6.6CE-05	2 • 45E-04	5.44E-04	9.C6E-04
3	0	42	43	3457.45	2	5967.38	1.6758	0.0303	4.52E-05	1 • 43E-04	2.18E-04	2.52E-04	2.57F-04	2.46E-04
7	4		25	9382.42	2	5567.69	1.6757	0.0418	4.41E-07	2.40E-05	1.51E-04	4.10E-04	7.38E-04	1.06E-03
5	2		89	18265.99	2	5967.99	1.6756	0.0303	0.0	0.0	5.11E-07	4.98E-06	2.10E-05	5.53E-05
7	4		e 1	20447.30	1	5968.07	1.6756	0.0303	0.0	3.49E-07	3-13E-05	4.19E-04	2.18E-03	6.675-03
7	4		15	8858.70	1	5968.09	1.6756	0.0597	3.41E-05	1.45E-03	8.06E-03	2.03E-02	3.48E-02	4.82E-02
5	2			24504.34	1	5968.20	1.6755	0.0303	0.0	0.0	8.25E-07	1 • 98E-05	1.52E~04	6-145-04
3	٥		57	6288.75	1	5968.21	1.6755	0.0303	8.60E-05	1.06E-03	3.20E-03	5.58E-03	7.47E-03	8.675-03
7	4		42	11415.59	2	5968.24	1.6755	0.0303	4.815-08	6.92E-06	7.116-05	2.58E-04	5.65E-04	9.31E-04
7	4		56	9474.20	2	5968.54	1.6755	0.0398	4.05E-07	2.306-05	1.48F-04	4.08E-04	7.40E-04	1.07E-03
5	2		39	7189.73	1	5968.55	1 • 6 7 5 4	0.0303	2.06E-04	3.93E-03	1.47E-02	2.91E-02	4.25E~02	5.258-02
7	4		41	11268.36	2	5969.03	1.6753	0.0303	5.73E-08	7.69E-06	7.63E-05	2.71E-04	5.85E-04	9.55E-04
6 7	3		73 27	15711.97	2	5969-13	1.6753	0.0303	0.0	1.57E-07	4.518-06	3.04E-05	1.01F-04	2.22E-04
	3		94	9569.48 22558.31	2	5969.29 5969.30	1 • 6752 1 • 6752	0.0379 0.0303	3.70E-07 0.0	2.20E-05 0.0	1.45E-04 5.24E-06	4.04E-04	7.40E-04 6.05E-04	1.07E-03
¢. 6	3		28	7864.89	1	5969.39	. 1.6752	0.0379	1.28E~04	3.37F-03	1.48E-02	9.49E-05 3.23E-02	5.04E-02	2.14E-03 6.52F-02
7	4		40	11124.55	2	5969.72	1.6751	0.0303	6.80E-08	8.52E-06	8.16E-05	2 · 84E-04	6.05E-04	9.775-04
8	5		3	10474.17	ī	5969.80	1.6751	0.0503	1.77E-06	1.62E-04	1.33E-03	4.25E-03	8.50E-03	1.31E-02
8	5		62	17526.07	i	5965.89	1.6751	0.0303	0.0	5.69E-06	2.54E-04	2.235-03	8.76E~03	2.20E-02
7	4		28	9668.25	2	5969-94	1.6751	0.0359	3.35E-07	2.09E-05	1.41E-04	3.99E-04	7.38E-04	1.08E-03
Ş	. 2		20	4924.07	2	5970.25	1.6750	0.0535	3.44F-05	2.20E-04	4.77E-04	6.81E-04	7.99F-04	8.44E-04
7	. 4		35	10984.19	2	5970.30	1.6750	0.0303	8.02F-08	9.39E-06	8.70E-05	2.97E-04	6.24E-04	9.97E-04
7	4		29	9770.52	2	5970.48	1.6749	0.0340	3.02E-07	1.98E-05	1.37E-04	3.935-04	7.33E~04	1.08F-03
6	Э	3	4	6248.08	2	5970.63	1.6749	0.0611	2.47E-06	2.99F-05	8.89E-05	1.54E-04	2.05E-04	2.37E-04
7	4	39	38	10847.26	2	5970.78	1.6748	0.0303	9.41E-08	1.03E-05	9.24E-05	3.10E-04	6.41E-04	1.02F-03
7	4	31	30	9876,27	2	5970.93	1.6748	0.0335	2.72E-07	1.878-05	1.33E-04	3.87F-04	7.31F-04	1.08E-03
.7	_ 4	36	37	10713.77	2	5971.16	1.6747	0.0303	1.10E-07	1.13E-05	9.79E-05	3.22E-04	6.58E-04	1.03E-03
7	4		31	9985+50	2	5971.27	1.6747	0.0331	2.43E-07	1.76E-05	1.298-04	3.81E-04	7.26E-04	1.08E-03
7	4	_	36	10583.74	2	5971.44	1.6746	0.0308	1.27E-07	1.23E-05	1.03E-04	3.33E-04	6.736-04	1.05E-03
7	4		32	10098.21	2	5971.51	1.6746	0.0326	2.16E-07	1.66E-05	1.24E-04	3.73E-04	7.19E-04	1.08F-03
7	4	-	35	10457.16	2	5971.61	1.6746	0.0312	1.47E-07	1.33E-05	1 • 0 9E - 0 4	3.44E-04	6.87E-04	1.06F-03
7	4		33	10214.39	2	5971.64	1.6746	0.0321	1.915-07	1.55E-05	1.19E-04	3.64E-04	7.10E-04	1.08F-03
7	4	-	34	10334.05	2	5971.68	1.6746	0.0317	1.686-07	1 • 44E-05	1.145-04	3.55E-04	6.99E-04	1.07F-03
4	1		32	4013.51	2	5971.99	1 • 6745	0.0331	6.90F-05	2.855-04	4.97F~04	6.23E-04	6.70E-04	6.64E-04
4	1		114	26057.89	1	5972.25	1 • 6744	0.0303	0.0	0.0	1.28E-07	3.83E-06	3.41E-05	1.54E-04
4	1		48	6589.98	1	5972.56	1.6743	0.0303	2.14E-04	3.056-03	9.88E-03	1.80E-02	2.48F~02	2.940-02
8 8	5		4 61	10488.85	1	5972.94 5973.11	1.6742 1.6742	0.0614 0.0303	2.19E-06 0.0	2.03E-04 6.83E-06	1.67E-03	5.33E-03	1.07E-02	1.65E-02
	3		72	15459.54	2	5973.17	1.6742	0.0303	0.0	1.95E-07	2.89E-04 5.27E-06	2.45E-03	9.45E-03	2.33E-02
ć 7	4		14	8803.20	1	5973.25	1.6741	0.0604	3.48E-05	1.448-03	7.9CE-03	3.43E-05 1.98E-02	1 • 1 1 E = 0 4 3 • 37 E = 0 2	2.40F-04 4.65E-02
7	4		8 C	20160.30	1	5973.44	1.6741	0.0303	0.0	4.49E-07	3.76E-05	4 • 82E-04	2.44E-03	7.348-03
5	2		83	17960.53	2	5973.74	1.6740	0.0303	0.0	0.0	6.23E-07	5.81E-06	2.38F-05	6.14E-05
6	3		3	6233.77	2	5974.50	1.6738	0.0609	1.91E-06	2.29E-05	6.79E-05	1 • 17E-04	1.56E-04	1.80E-04
3	Č		42	3301.17	2	5975.06	1.6736	0.0303	5.58E-05	1.64E-04	2.410-04	2.72E-04	2.73E-04	2.58E-04
5	ž		15	4852.04	2	5975.70	1.6734	0.0552	3.66F-05	2.26E-04	4-82F-04	6.81E-04	7.94E-04	8.34E-04
6	3		27	7760.70	1	5975.91	1.6734	0.0398	1.45E-04	3.636-03	1.56F~02	3.35E-02	5.17E-02	6.63F-02
8	5		5	10507.20	1	5975.98	1.6734	0.0617	2.595-06	2.42E-04	2.00E-03	6.40E-03	1.28E-02	1.99F-02
6	3		93	22227.24	1	5976.17	1.6733	0.0303	0.0	4.71E-08	6.48E-06	1.12E-04	6.91E-04	2.39F-03
5	2		38	7043.96	1	5976.20	1 • 6 7 3 3	0.0303	2.50E-04	4.44E-03	1.6CF-02	3.11E-02	4.48F-02	5.48E-02
8	5		é C	1708€.11	1	5976.21	1.6733	0.0303	0.0	8 - 16E-06	3.27F-04	2.70E-03	1.02E-02	2.47E-92
5	2	105	1 C 4	24136.54	1	5976.35	1.6733	6.0303	0.0	ò.o	1.05E-06	2.39E-05	1.77E-04	6.99E-04
6	3	72	71	15210.34	2	5977.10	1.6731	0.0303	0.0	2.41E-07	6-14E-06	3.86E-05	1-21E-04	2.59F-04
3	0	55	56	6074.14	1	5977.70	1.6729	0.0303	1-16E-04	1.295-03	3.70E-03	6.26E-03	8.21E-03	9.39F-13

<b>γ</b> u	٧L	٦u	JL	LOWER STATE	CUDE	WAVE NUMBER	WAVE Length	HALF WIDTH	******	** INTEGRATE	ED ** ABSORE		EFFICIENT *	****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
6	3	1	2	6223.04	2	5978.28	1.6727	0.0606	1.30E-06	1.56F-05	4.60E-05	7.93E-05	1 • 05E = 0 4	1.225-04
7	4	12	13	8751.40	1	5978.30	1.6727	0.0610	3.51E-05	1.41F-03	7.69E-03	1.91E-02	3.24E~02	4.45F-02
4	1	30	31	3897.66	2	5978.61	1.6726	0.0335	7.96E-05	3.11F-04	5.27E-04	6.50E-04	6.91E-04	6.80F-04
7	4	ec	79	19876.52	1	5978.71	1.6726	0.0303	0.0	5.76E-07	4.51E-05	5.55E-04	2.74E-03	8.06E-03
е	5	7	6	10529.21	1	5978.91	1.6725	0.0620	2.968-06	2.79E-04	2.33E-03	7.46E-03	1.50E-02	2.33E-02
9	5	€C	59	16871.22	1	5979.21	1.6725	0.0303	0.0	9.71E-06	3.70E-04	2.96E-03	1.09E-02	2.53E-02
5	2	83	87	17658.15		5979.38	1.6724	0.0303	0.0	0.0	7.58E-07	6.77E-06	2.69E-05	6.80E-05
6	3	71	70	14964.37		5580,92	1.6720	0.0303	0.0	2.97E-07	7 • 1 3E = 0 6	4 • 32 E-05		
5	2	17	18	4783.59	2	5981.06	1.6719	0.0568	3.87E-05	2.31E-04	4.84F-04	6.78E-04	1.33E-04 7.85E-04	2.79E-04
4	1	46	47	6409.82	1	5981.14	1.6719	0.0303	2 • 74E-04	3.58E-04	1.116-02			8.21E-04
4	1	114		25660.13	ī	5981.46	1.6718	0.0303	0.0	0.0	1.67E-07	1.97E-02 4.72E-06	2.67E-02	3.12E-02
8	5	8	7	10554.90	1	5981.74	1.6718	0.0623	3.29E-06	3.15E-04	2.64E-03	8.50E-03	4.05E-05	1.77E-04
6	3	С	1	6215.88	نے	5981.95	1.6717	0.0603	6.65E-07	7.90E-06	2.33E-05	4 • 02E-05	1.71E-02	2.66E-02
9	5	59	58	16659.74	1	5982.09	1.6717	0.0303	0.0	1.16E-05	4.20E-04		5.33E-05	6.15E-05
6	3	25	26	7600.20	1	5982.33	1.6716	0.0418	1.63E-04	3.89E-03	1.63E-02	3.25E-03 3.45E-02	1.18E-02 5.28E-02	2.78F-02
3	C	4 C	41	3148.44	ž	5982.64	1.6715	0.0303	6.84E-05	1.876-04	2.64E-04	2 • 93E-04	2.89E-04	6.73F-02
6	3	93	<b>§2</b>	21899.26	1	5982.92	1.6714	0.0303	0.0	6.28E-08				2.71E-04
7	4	11	12	8703.29	1	5983.26	1.6713	0.0617	3.51E-05	1.38E-03	7.98E-06	1.31E-04	7.87E-04	5.66E-03
5	2	36	37	6901.85	1	5983.76	1.6712	0.0308	3.01E-04	4.995-03	7.42E-03 1.74E-02	1.83E-02	3.09E-02	4.23F-02
7	4	79	78	19595.97	ī	5983.85	1.6712	0.0303	0.0			3.31E-02	4.71E-02	5.70E-02
5	2	1C4	103	23771.70	ī	5984.39	1.6710	0.0303	0.0	7.35E-07 0.0	5-396-05	6.37E-04	3.06E-03	8 • 83E-03
8	5	9		10584.25	i	5984.46	1.6710	0.0503	3.59E-06		1.34E-06	2.88E-05	2.06E-04	7.94F-04
ē	3	70	69	14721.64	ءُ خ	5984.64	1.6709	0.0303		3.48E-04	2.945-03	9.50E-03	1.92E-02	2.995-02
ā	5	58	57	16451.68	1	5984.85	1.6709	0.0303	0.0	3.64E-07	8.27E-06	4 • 84 E - 05	1 • 45E-04	3.00E-04
5	2	67	86	17358.67	ż	5984.91	1.6709	0.0303	0.0	1.38E-05	4.75E-04	3.57E-03	1.27E-02	2.95E-02
4	ī	29	30	3785.38	2	5985.14	1.6708	0.0303	0.0	0.0	9.20E-07	7.86E-06	3.04F-05	7.53F-05
5	2	16	17	4718.72	2	5986.31			9.126-05	3.38E-04	5.57E-04	6.76E-04	7 • 1 1E-0 4	6.956-04
8	5	10	9	10617.26	ĭ	5987.08	1.6705	0.0585	4.05E-05	2.35E-04	4 .84E-04	6.72E-04	7.73E-04	8.05E-04
3	ŏ	54	55	5863.14	1	5987.09	1.6703	0.0624	3.85E-06	3.79E-04	3.23E-03	1.05E-02	2 • 1 3E - 02	3.32E-05
8	5	57	56	16247.05	1	5987.51	1.6703	0.0303	1.56E-04	1.57E-03	4.27E-03	7.01E-03	9.01E-03	1.05E-05
3			121	27035.63	i	5987.67	1.6701	0.0303	0.0	1.63E-05	5.35E-04	3.91E-03	1.36E-02	3.13E-02
7	4	1 C	11	8658.86	i	5988.11	1.6701 1.6700	0.0303	0.0	0.0	0.0	6 • 22E-07	6.10E-06	2.93E-05
6	3	69	68	14482.17	2	5988.25		0.0625	3.46E-05	1.33E-03	7.08E-03	1 - 74 E-02	2.92E-02	3-99E-02
6	3	24	26	7563.39	ì	5988.64	1.6699	0.0303	0.0	4.46E-07	9.55E-06	5.40E-05	1.595-04	3.22E-04
7	4	78	77	19318.68	i		1.6698	0.0437	1.82E-04	4.15E-03	1.70E-02	3.55E-02	5.37E-02	6 • 81E-02
6	3	1	Ċ	6212.30	2	5988.88	1 • 6698	0.0303	0.0	9.37E-07	6.42E-05	7-29E-04	3.41E-03	9.665-93
é	3	<b>§2</b>	91	21574.38	1	5989.01	1.6697	0.0603	6.83E-07	8.10E-06	2.39E-05	4 • 11E-05	5.46E-05	6.30E-05
8	5	11	10	10653.94	i	5989.56 5989.58	1.6696	0.0303	0.0	8.34E-08	9.82E-06	1.54E-04	8.95E-04	2.96F-03
	ī	45	46	6233.30			1.6696	0.0625	4.06E-06	4 • 07E-04	3.49E-03	1 • 14E-02	2.32E-02	3.64F-02
· - 4.	5	E6	55	16045.84	1	5989.62	1.6696	0.0303	3.48E-04	4-19F-03	1.24F-02	2.15E-02	2.87E-02	3.32E-02
3	ō	39	40	2999.27	1 2	5990.05	1.6694	0.0303	0.0	1.93E-05	6.025-04	4.27F-03	1.46F-02	3.30E-02
5	2	56	85		_	5990.13	1.6694	0.0303	8 • 34E-05	2.12E-04	2.89E-04	3 • 1 4 E - 04	3.06E-04	2.83E-04
4				17062.69	2	5990.33	1.6694	0.0303	0.0	0.0	1-11E-06	9.12E-06	3.43E~05	8.32F-05
5	2	35	112 36	25265.22	1	5990.55	1.6693	0.0303	0.0	0.0	2.17E-07	5.80E-06	4.80E-05	2.05E-04
5				6763.42	1	5991.21	1.6691	0.0312	3.60E-04	5.59F-03	1.895-02	3.52E-02	4.93E-02	5.91F-02
4	2	15	16	4657.45	2	5991.48	1.6690	0.0591	4.20E-05	2.37E-04	4.81E-04	6.62E-04	7.57E-04	7-85E-04
6	1	2 E	29	3676.69	2	5991.57	1 • 6690	0.0359	1 04E-04	3.67E-04	5-89F-04	7.04E-04	7.33E-04	7.11E-04
8	5		67	14245.95	2	5991.75	1.6690	0.0303	0+0	5.44E-07	1.10E-05	6.01F-05	1.735-04	3.45E-04
5		12	11	10694.28	1	5991.99	1.6689	0.0617	4.23F-06	4.32E-04	3.74E-03	1.23E-02	2.51E-02	3.95F-02
6		103		23409.84	1	5992.30	1.6688	0.0303	0.0	0.0	1.69F-06	3.476-05	2.40E-04	9.00E-04
	3	2	1	6215.88	2	5992.39	1.6688	0.0606	1.38E-06	1 • 64E-05	4.83E-05	8.31E-05	1.10E-04	1 . 27F-04
8	5	55	54	15848.09	1	5992.47	1.6688	0.0303	0.0	2.26E-05	6.75E-04	4.65E-03	1.56E-02	3-48E-02
7	4	9	10	8618.14	ī	5992.85	1.6687	0.0624	3.36E-05	1.27E-03	6.69E-03	1.63E-02	2.735-02	3.72E-02
7	4	77	76	19044.64	1	5993.79	1.6684	0.0303	0.0	1.19E-06	7.63E-05	8.33E-04	3.796-03	1.06E-02

,	VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE Length	HALF WIDTH	*****	** INTEGRATI	ED ** ABSOR		EFFICIENT *	*****
					ENERGY		CM-1	MICRON	HS	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	a .	5	13	12	10738.28	1	5994.28	1.6683	0.0610	4.35E-06	4.54E-04	3.97E-03	1.31E-02	2.70E-02	4.24E-02
	8	5	54	53	15653.78	î	5994.79	1.6681	0.0303	0.0	2.65E-05	7.54E-04	5.06E-03	1.66E-02	3.67E~02
	6	3	23	24	7470.27	1	5994.86	1+6681	0.0457	2.02E-04	4.40E-03	1.76E-02	3.63E-02	5 + 45E - 02	6.86E-02 .
	6	3	67	66	14013.01	2	5995.14	1.6680	0.0303	0.0	6.60E-07	1.26E-05	6.68E-05	1.88E-04	3.69E-04
	S	2	85	84	16769.63	2	5995.64	1.6679	0.0303	0.0	0.0	1.34E-06	1.065-05	3.86E-05	9.18E-05
	6	3	3	2	6223.04	2	5995.67	1.6679	0.0609	2.07E-06	2.47E-05	7.30E-05	1.26E-04	1.67E-04	1.93E~04
	é	Э	91	90	21252.63	ī	5996.08	1.6678	0.0303	0.0	1.10E-07	1.20E-05	1.81E-04	1.02E-03	3.29F-03
	3	ō	53	54	5655.77	1	5996,38	1.6677	0.0303	2.08E-04	1.90E-03	4.92E-03	7.83E-03	9.87E-03	1.10F-02
	.8	5	14	13	10785.94	1	5996.47	1.6676	0.0604	4.42E-06	4.725-04	4.18E-03	1.395-02	2.87E-02	4.53F-02
	5	2	14	15	4599.77	2	5996.54	1.6676	0.0597	4.33E-05	2.37E-04	4.75E-04	6.48E-04	7.37E-04	7.61E-04
	8	5	53	52	15462-93	1	5996.99	1.6675	0.0303	0.0	3.09E-05	8.41E-04	5.48E~03	1.775-02	3.86E-02
	7	4	e	5	8581+11	1	5997.50	1 .6674	0.0624	3.22E-05	1.20E-03	6.24E-03	1.51E-02	2.52E-02	3.43E-02
	3	0	36	39	2853.67	2	5997.53	1.6674	0.0303	1.01E-04	2.40E-04	3.16E-04	3.35E-04	3.23E-04	2-96E-04
	3			120	26614.14	1	5997.70	1.6673	0.0303	0.0	0.0	0.0	7.72E-07	7.27E-06	3.40E-05
	4, ,	. 1	27	28	3571.58	2	5997.90	1.6673	0.0379	1.19E-04	3.97E-04	6.21E-04	7.31E-04	7.53E-04	7.25E-04
	4	ì	44	45	6060.43	1	5998.00	1.6672	0.0303	4.40E-04	4.88E-03	1.395-02	2.35E-02	3.07E-02	3.51E-02
	6	3	66	65	13783.34	2	5998.43	1.6671	0.0303	0.0	8.00E-07	1.45E-05	7.41E-05	2.03E-04	3.94E-04
	8	5	15	14	10837.26	1	5998.55	1.6671	0.0597	4.44E-06	4.86E-04	4.36E-03	1.46E-02	3.03E-02	4.80E-02
	6	2	34	35	6628.66	1	5998.57	1.6671	0.0317	4.28E-04	6.23E-03	2.03E-02	3.72E-02	5.15E-02	6.13E-02
	7	4	7€	75	18773.88	1	5998.59	1.6671	0.0303	0.0	1.50E-06	9.04E-05	9.49E-04	4-21E-03	1.15E-02
	. 6	3	4	3	6233.77	2	5998.86	1.6670	0.0611	2.75E-06	3.30E-05	9.78E-05	1 • 69E-04	2.24E-04	2.59E-04
	8	5	52	51	15275.54	1	5999.08	1.6669	0.0303	0.0	3.59E-05	9.34E-04	5•93E→03	1.88E-02	4.04E-02
455	4	1	112	111	24873.19	1	5999.51	1.6668	0.0303	0.0	0.0	2.82E-07	7 • 1 3E-06	5.68E-05	2.35E-04
	5	2	102	1 C 1	23050.98	1	6000.09	1.6666	0.0303	0.0	0.0	2.14E-06	4 • 1 6E-05	2.79E-04	. 1.02E-03
	8	5	16	15	10892.23	1	6000.53	1 • 6665	0.0591	4.42E-06	4.97E-04	4.52E-03	1.53E-02	3.18E-02	5.06F-02
	5	2	84	83	16479.69	2	6000.84	1.6664	0.0303	0.0	4.68E-08	1.62E-06	1.22E-05	4.34E-05	1.01E-04
	6	. ,3	22	23	7380.84	1	6000.97	1.6664	0.0476	2.23E-04	4.64E-03	1.82E-02	3.71E-02	5.51E-02	6.90F-02
	8	5	51	50	15091.63	1	6001+05	1.6664	0.0303	4.94E-08	4.16E-05	1.04E-03	6.40E-03	2.00E-02	4.23F-02
	5	2	13	14	4545.69	2	6001.51	1.6662	0.0604	4.41E-05	2.35E-04	4.65E-04	6.30E-04	7.13E-04	7.34F-04
	6	3	65	€4	13556.96	2	6001.61	1.6662	0.0303	0.0	9.64E-07	1.66E-05	8.19E-05	2 20E-04	4.20E-04
	6	3	5	4	6248+08	2	6001.95	1 • 6 6 6 1	0.0614	3.41E-06	4 • 12E-05	1.22E-04	2-12E-04	2.82E-04	3.26E-04
	7	4	7	8	8547•78	1	6002.03	1.6661	0.0623	3.03E-05	1.11E-03	5.73E-03	1.38E-02	2.30E-02	3.12F-02 5.30E-02
	_ e	_ 5	.17	16	10950.85	1	6002.39	1.6660	0.0585	4.36E-06	5.05E-04	4.65E-03	1.58E-02	3.32E-02 1.15E-03	3.65F-03
	6	3	50	68	20934.01	1	6002.48	1.6660	0.0303	0.0	1.46F-07	1.47E-05	2.11E-04 6.89E-03	2.11E-02	4.42E-02
	8	5	£ C	49	14911.20	1	6002.92	1 • 6659	0.0303	6.21E-08	4.80E-05 1.89E-06	1.14E-03 1.07E-04	1.08E-03	4.67E-03	1.255-02
	7	4	75	74	18506.41	1	6003.27	1.6658	0.0303	0.0	4.26E-04	6.52E-04	7.55E~04	7.71E-04	7.37E-04
	4	1	26	27	3470.06	2	6004.15	1.6655	0.0398	1.34E-04 4.27E-06	5.08E-04	4.75E-03	1.64E-02	3.45E-02	5.53E-02
	8	5	1 €	17	11013.12	1	6004.15	1.6655	0.0568	7.77E-08	5.52E-05	1.26E-03	7.40E-03	2.23E-02	4.61E-02
	.8.	. 5	49	40	14734.27	1	6004.67	1.6654	0.0303 0.0303	0.0	1.16E-06	1 89E-05	9.04E-05	2.38E-04	4.47E-04
	E	3	64	63	13333.88	2	6004.68	1 • 6654	0.0303	1.22E-04	2.70E-04	3.44E-04	3.57E-04	3.39E-04	3.08E-04
	3	0	37	38 5	2711.64	2	6004.84	1.6653	0.0303	4.03E-06	4.91E-05	1.47E-04	2.558-04	3.40E-04	3.93E-04
	6	3	- 6	_	6265-97		6004.93 6005.58	1.6653 1.6651	0.0303	2.77E-04	2.29E-03	5.64E-03	8.72E-03	1.08E-02	1.18F-02
	3	0 5	52	53 18	5452.01	1	6005.81	1.6651	0.0552	4.14E-06	5.09E-04	4.83E-03	1.68E-02	3.56E-02	5.74F-02
	8	2	19 33	34	11079.05	1	6005.82	1.6651	0.0321	5.06E-04	6.91E-03	2.19E-02	3.93E-02	5.37E-02	6.33E-02
		2	63	82	6497.59 16192.90	2	6005.82	1.6650	0.0303	0.0	6.02E-08	1.94E-06	1.41E-05	4 87E-05	1.11E-04
	4	1	43	44	5891.22	1	6005.35	1.6649	0.0303	5.54E-04	5.66E-03	1.55E-02	2.55E-02	3.29E-02	3.71E-02
	8	5	46	47	14560.82	1	6006.31	1.6649	0.0303	9.67E-08	6.31E-05	1.38E-03	7.92E-03	2.356-02	4.80E-02
	5	2	12	13	4495.20	2	6006.39	1.6649	0.0610	4.44E+05	2.31E-04	4.52E-04	6.08E-04	6.85F-04	7.02E-04
	7	4	6	7	8518.15		6006.47	1.6649	0.0620	2.79E-05	1.01E-03	5-17E-03	1.24E-02	2.06E-02	2.79E-02
	6	3	21	22	7295.12	î	6006.98	1.6647	0.0496	2.43E-04	4.87E-03	1.87E-02	3.76E-02	5.55E-02	6.91E-02
	8	5	20	19	11148.61	i ·	6007+35	1.6646	0.0535	3.98E-06	5.06E-04	4.89E-03	1.71E-02	3.66E-02	5.93E-02
	3			119	26195.41		6007.60	1.6646	0.0303	0.0	0.0	0.0	9.56E-07	8.64E-06	3.92E-05
	-	•				-									

ŲU	٧L	JU	٦Ľ	LOWER STATE	CODE	WAVE Nuvber	WAVE LENGTH	HALF WIOTH	******	** INTEGRAT	ED ** ABSOR CM*G		FFFICIENT *	*****
				ENERGY		CF-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
				_										
€	3	63	62	13114.11	2	6007.65	1.6645	0.0303	0.0	1.39E-06	2.146-05	9.95E-05	2.56E-04	4.74E-04
5	2	101	100	22695.13	1	6007.76	1.6645	0.0303	0.0	0.0	2.70E-06	4.99E-05	3.23E-04	1.15E-03
ć	3	7	6	6287.43		6007.82	1.6645	0.0620	4.62E-06	5.686-05	1.71E-04	2 • 97F-04	3.97E-04	4.61E-04
7	4	74	73	18242.22		6007.83	1.6645	0.0303	0.0	2.38F-06	1.26E-04	1.23F-03	5.17E-03	1.36E-02
8	5	47	46	14390.88	1	6007.84	1 • 6 6 4 5	0.0303	1.205-07	7.20E-05	1.51E-03	8.46E-03	2.47E-02	4.99F-02
4	1	111	110	24484.04	1	6008.35	1.6644	0.0303	0.0	0.0	3.66F-07	8.74E-06	6.70E-05	2.71F-04
6	3	89	88	20618.54		6008.76	1.6642	0.0303	0.0	1.93E-07	1.81F-05	2.485-04	1.31F-03	4.07E-03
8	5	21	50	11221.82		6008.79	1.6642	0.0515	3.80E-06	5.00E-04	4.92F-03	1.74E-02	3.75E-02	6.10F-02
е	5	46	45	14224.45	1	6009.25	1.6641	0.0303	1.47E-07	8 • 17E-05	1.65E-03	9.01E-03	2.58F-02	5-17E-02
8	5	22	21	11298.67		6010.12	1.6639	0.0496	3.60E-06	4.92E-04	4.92E-03	1.76E-02	3.82E-02	6-26E-02
4	1	25	26	3372.13		6010.29	1.6638	0.0418	1.505-04	4.56E-04	6.81E-04	7.79E-04	7.87E-04	7.48E-04
6	3	62	61	12897.64		6010.51	1.6638	0.0303	0.0	1.66E-06	2.43E+05	1 • 09E-04	2 • 76E - 04	5.03F-04
a	5	45	44	14061.54		6010.56	1.6637	0.0303	1.80E-07	9.24E-05	1.8CE-03	9.57E-03	2.70E-02	5.35E-02
6	3	8	. 7	6312.47		6010.61	1.6637	0.0623	5.15E-06	6.42E-05	1.945-04	3.38E-04		
7	4	5	6	8492.22		6010.80	1.6637	0.0617	2.51E-05	8.91E-04			4.54E-04	5.27E-04J
5	2	ε2	81	15909.25		6010.91	1.6636	0.0303	0.0	7.72E-08	4.55E-03 2.33E-06	1.09F-02 1.62E-05	1.806-02	2.44E-02
5	2	11	12	4448.31	2	6011.16	1.6636	0.0617	4.43E-05	2.26F-04	4.36E-04		5.45E-05	1 • 22E-04
8	5	23	22	11379.15	1	6011.34	1.6635	0.0476	3.38E-06	4.80E-04	4.90E-03	5.82E-04	6.53E-04	6.67F-04
ē	5	44	43	13902.14	1	6611.75	1.6634	0.0303	2.195-07	1.046-04	1.95E-03	1.78E-02 1.01E-02	3.88E-02	6.39E-02
3	C	36	37	2573.18	2	6012.05	1.6633	0.0308	1.46E-04	3.02F-04	3.73E-04		2.82E-02,	5.52E-02
7	4	73	72	17981.34	1	6012.28	1 • 6633	0.0303	0.0	2.98E-06		3.80E-04	3.56E-04	3.20E-04
ē	5	24	23	11463.27		6012.45	1.6632	0.0457	3.16E-06		1.48E-04	1.39E-03	5.71E-03	1.48F-02
ē	5	43	42	13746.29	î	6012.84	1.6631	0.0303	2.64F-07	4.67E-04 1.17E-04	4.86E-03	1.78E-02	3-93E-02	6.50F-02
6	3	20	21	7213.10	î	6012.89	1.6631	0.0515	2.64E-04	5.08E-03	2.10E-03	1.07E-02	2.94E-02	5.68E-02
5	2	32	3.3	6370.20	ī	6012.98	1.6631	0.0326	5.94E-04	7.64E-03	1.91E-02 2.35E-02	3.81E-02	5.57E-02	6.89E-02
6	3	61	60	12684.50	2	6013.26	1.6630	0.0303	0.0	1.97E-06	2.74E-05	4.14E-02 1.20E-04	5.59E-02	6.52E-02
6	3	9	ě	6341.08	2	6013.30	1.6630	0.0624	5.63F-06	7.11E-05	2.16E-04	3.79E-04	2.96E-04 5.10E-04	5.32F-04 5.93E-04
ε	5	25	24	11551.01	1	6013.46	1.6629	0.0437	2.93E-06	4.51E-04	4.80E-03	1.78E-02	3.96E-02	
ė	5	42	41	13593.96	1	6013.81	1.6628	0.0303	3.18E-07	1.30E-04	2.27E-03	1.13E-02	3.05E-02	6.59E-02 5.84E-02
8	5	26	25	11642.38	ī	6014.35	1.6627	0.0418	2.69E-06	4.34E-04	4.72E-03	1.78E-02	3.98E-02	
4	1	42	43	5725.68	1	6014.47	1.6627	0.0303	6.92E-04	6.53E-03	1.72E-02	2.76E-02	3.51E-02	6.67E-02 3.92E-02
a	5	41	40	13445.18	ī	6014.67	1.6626	0.0303	3.8CE-07	1.45E-04	2.43E-03	1.19E-02	3.16E-02	
3	0	51	52	5251.89	i	6014.68	1.6626	0.0303	3.65E-04	2.75E-03	6.45E-03	9.69E-03	1.185-02	5.99E-02 1.27E-02
ε	3	68	27	20306.23	ī	6014.93	1.6625	0.0303	0.0	2.55E~07	2.22E-05	2.90E-04	1.49F-03	4.53E-03
7	4	4	5	8470.00	ī	6015.03	1.6625	0.0614	2.18E-05	7.65E-04	3.89E-03	9.28E-03	1.53E-02	2.07E-02
8	5	27	26	11737.36	1	6015.14	1.6625	0.0398	2.46E-C6	4 • 15E - 04	4.62E-03	1.76E-02	3.98E-02	6.72E-02
5	2	100	55	22342.30	1	6015.32	1.6624	0.0303	0.0	0.0	3.40E-06	5.97E-05	3.73F-04	1.30E-03
8	5	40	39	13299.95	1	6015.42	1.6624	0.0303	4.51E-07	1.61E-04	2.60E-03	1 • 24E-02	3.27E-02	6.13E-02
5	2	€1	60	15628.77	2	6015.78	1.6623	0.0303	0.0	9.87E-08	2.79E~06	1 • 86E-05	6.09E-05	1.34E-04
e	5	28	27	11835.99	1	6015.82	1.6623	0.0379	2.24F-06	3.95E-04	4.5CE-03	1.74E-02	3.98E-02	6.75E-02
5	2	10	11	4405.02		6015.85	1.6623	0.0625	4.36F-05	2.18F-04	4.16E-04	5.52E-04	6.17E-04	6.298-04
6	3	10	9	6373.27	2	6015.89	1.6623	0.0624	6.04E-06	7.748-05	2.37E-04	4 • 18E-04	5.64E-04	6.58E-04
6	3	60	59	12474.70	2	6015.91	1.6623	0.0303	0.0	2.33E-06	3.09E-05	1.31E-04	3.17E-04	5.61E-04
8	5	39	36	13158.27	1	6016.06	1.6622	0.0303	5.32E-07	1.77E-04	2.78E-03	1.30E-02	3.17E-04	6.26E-02
4	1	24	25	3277.80	2	6016.35	1.6621	0.0437	1.67E-04	4.86E-04	7.09E-04	7.99E-04	8.01E-04	7.56E-04
8	5	29	28	11938-21	1	6016.39	1.6621	0.0359	2.02E-06	3.74E-04	4.37E-03	1.72E-02	3.96E-02	6.77E-02
е	5	38	37	13020.16	ì	6016.58	1.6621	0.0303	6.25E-07	1.956-04	2.955-03	1.35E-02	3.46E-02	6.38E-02
7	4	72	71	17723.78	ī	6016.62	1.6621	0.0303	0.0	3.71E-06	1.73E-04	1.57E-03	6.29E-03	1.60E-02
8	5	3 C	29	12044.05	ì	6016.85	1.6620	0.0340	1.81E-06	3.53E~04	4.235-03	1.69E-02	3.935-02	6.76E-02
8	5	37	36	12885.61	1	6017.00	1.6620	0.0308	7.29E-07	2 · 13F~04	3.138-03	1-41E-02	3.55F-02	6.48E-02
4	1	110	109	24097.80	1	6017.08	1.6619	0.0303	0.0	0.0	4.73E-07	1.07E-05	7.90E-05	3.11E-04
8	5	31	30	12153.49	1	6017.20	1.6619	0.0335	1.62E-06	3.33E-04	4.10E-03	1.66E-02	3.90E-02	6.77E-02
a	5	36	35	12754.63	1	6017.31	1.6619	0.0312	8.46E-07	2.32E-04	3.30E-03	1.46E-02	3.63E-02	6.57E-02

AN AF IN DE	LOWER CO	DE WAVE NUMBER	WAVE LENGTH	HALF WIOTH	*******	** INTEGRATE	ED ** ABSORF	PTION ** COE	FFICIENT **	*****
	ENERGY	CH-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
3, 0 119 118	25779.47 1	6017.38	1.6619	0.0303	0.0	0.0	4-14E-08	1.19E-06	1.04E-05	4.57E-05
8 5 32 31	12266.54 1	6017.44	1.6618	0.0331	1.44F-06	3.13F-04	3.95E-03	1.63E-02	3.87E-02	6.77E-02
_E 5 ,35 34	12627.23 1		1.6618	0.0317	9.75E-07	2.52E-04	3.47E-03	1 • 51 E-02	3.71E-02	6.64E-02
8 5 33 32	12383.13 1	6017.57	1.6618	0.0326	1.27E-06	2.925-04	3-80E-03	1.59E-02	3.82E-02	6.74E-02
8 5 34 33	12503.41 1	6017.59	1.6618	0.0321	1.12E-06	2.72E-04	3.64E-03	1.55E-02	3.77E-02	6.70F-02
6 3 11 10	6409.02 2	6018.38	1 • 6616	0.0625	6.38E-06	8.33E-05	2.57E-04	4.56E-04	6.17E-04	7.21E-04
6 3 55 58	12268.22 2	6018-45	1.6616	0.0303	0.0	2.77E-06	3.49E-05	1.43E-04	3.41E-04	5.95E-04
6. 3 19 20	7134.78 1	6018.70	1.6615	0.0535	2.84E-04	5.27E-03	1.95E-02	3.83E-02	5.57E-02	6.85E-02
74 3 4	8451.48 1	6019.15	1.6614	0.0611	1.80E-05	6.29E-04	3-18E-03	7.57E-03	1.25E-02	1.68E-02
3 0 35 36	2438.31 2	6019.17	1.6614	0.0312	1.74E-04	3.38E-04	4 • 03E-04	4.03E-04	3.73E-04	3.32E-04
5 2 31 32	6246.50 1	6020.03	1.6611	0.0331	6.93E-04	8.40E-03	2.50E-02	4.34E-02	5.79E-02	6.71E-02
5 2 5 10	4365.34 2		1.6610	0.0624	4.24E-05	2.08E-04	3.93E-04	5 • 19E-04	5.77E-04	5.87E-04
5 2 60 79	15351.45 2	6020.55	1.6610	0.0303	0.0	1.26E-07	3.32E-06	2.136-05	6.79E-05	1 • 47E-94
6 3 12 11	6448.35 2		1.6609	0.0617	6.65E-06	6.85E-05	2.76E-04	4.92E-04	6.68E-04	7.83E-04
7 <u>4</u> _ 71 70	17469.54 1		1.6609	0.0303	0.0	4.61E-06	2.03E-04	1.77E-03	6.92E-03	1.73E-02
6 3 58 57	12065-10 2		1 • 6609	0.0303	0.0	3.27E-06	3.93E-05	1 • 57E-04	3.66E-04	6.30E-04 .
6 3 87 66	19997.09 1		1.6609	0.0303	0.0	3.36E-07	2.71E-05	3.39E-04	1.69E-03	5.03E-03
4 1 23 24	3187.07 2	6022.30	1.6605	0.0457	1.85E-04	5.14E-04	7.34E-04	8.18E-04	8 - 12E-04	7.62E-04
_ 4 1 94 93	17590.57 2		1.6605	0.0303	0.0	0.0	3.63E-07	3.21E-06	1.27E-05	3-196-05
4 1 41 42	5563.80 1		1.6604	0.0303	8.61E-04	7.516-03	1.90E-02	2.99E-02	3.73E-02	4.13E-02
5 2 .99 98	21992.52		1.6604	0.0303	0.0	0.0	4.27E-06	7.13E-05	4.31E-04	1.47E-03
# 6 3 13 12 57 7 4 2 3	6491.25 2		1.6603	0.0610	6.85E-06	9.30E-05	2.93E-04	5.25E-04	7.17E-04	8.43E-04
- ,	8436.66 1		1.6603	9.0609	1.39E-05	4.82F-04	2.43E-03	5.77E-03	9.51E-03	1.28E-02
6 3 57 56	11865.33 2		1.6602	0.0303	0.0	3.86E-06	4.425-05	1.71E-04	3.91E-04	6.65E-04
3 0 50 51	5055.41 1		1.6601	0.0303	4.80E-04	3.28E-03	7.36E-03	1.07E-02	1.285-02	1.36E-02
6 3 18 19	7060-17		1.6599	0.0552	3.04E-04	5.44E-03	1.97E-02	3.84E-02	5.54E-02	6.78E-02
	4329.25 2		1.6598	0.0624	4.06E-05	1.95E-04	3.67E-04	4.81E-04	5.33E-04 7.59E-03,	5.41E-04 1.86E-02
7 4 70 69	17218.64 1		1.6598	0.0303	0.0	5.71E-06	2.36E-04	1.99E-03 2.43E-05	7.59E-05	1.60F-04
5 2 79 78	15077.32 2		1.6597	0.0303	0.0	1.60E-07	3.95E-06 3.09E-04	5.57E-04	7.63E-04	9.01E-04
6 3 14 13	6537.71 2		1.6597	0.0604	6.98E-06	9.68E-05 4.53E-06	4.95E-05	1.87E-04	4.18E-04	7.02E-04
6 3 56 55	11668.92 2		1.6596	0.0303	0.0	0.0	6.10E-07	1.30E-05	9.30E-05	3.56E-04
4 1 109 108	23714.48 1		1.6596	0.0303 0.0317	0.0 2.06E-04	3.75E-04	4.34E-04	4.26E-04	3.89E-04	3.43E-04
3 . 0 . 34 35	2307.02 2		1 • 6594	0.0303	0.0	4.41E-07	3.30E-05	3.96E-04	1.92E-03	5.58E-03
6 3 66 85	19691-13 1		1.6592 1.6592	0.0335	8.04E-04	9.20E-03	2.66E-02	4.54E-02	5.99E-02	6.88E-02
5 2 30 31 3 0 116 117	6126.50 1 25366.34 1		1.6592	0.0303	0.0	0.0	5.47E-08	1.48E-06	1.24E-05	5.328-05
7 4 1 2	8425.54		1.6592	0.0606	9.52E-06	3.28E-04	1.65E-03	3.91E-03	6.43E-03	8.64E-03
6 3 15 14	6587.74		1.6591	0.0597	7.03E-06	1.00E-04	3.23E-04	5.86E-04	8.07E-04	9.56E-04
63 55 54	11475.88		1.6590	0.0303	0.0	5.30E-06	5.53E-05	2.03E-04	4.46E-04	7.39E-04
4 1 22 23	3099.94 2		1.6589	0.0476	2.03E-04	5.42E-04	7.58E-04	8.33E-04	8.21E-04	7.65E-04
4 1 93 92	17269.87		1.6588	0.0303	0.0	0.0	4.45E-07	3.76E-06	1 - 44E-05,	3,5 <b>5E-</b> 05
7 4 69 68	16971.09		1.6587	0.0303	0.0	7.04E-06	2.75E-04	2.23E-03	8.32E-03	2.01E-02
5 2 7 8	4296.77 2		1.6586	0.0623	3.81E-05	1.81E-04	3.37E-04	4.40E-04	4.86E-04	4.92E-04
6 3 16 15	6641.34 2		1.6586	0.0591	7.02E-06	1.02E-04	3.35E-04	6.13E-04	8 • 4 8E - 0 4	1.01E-03
	11286.22 2		1.6585	0.0303	4.57E-08	6.18E-06	6.15E-05	2.20E-04	4.75E-04	7.76E-04
5 2 78 77	14806.39 2		1.6584	0.0303	0.0	2.02E-07	4.68E-06	2.77E~05	8-401-05	1.75E-04
6 3 17 18	6989+28 1		1.6584	0.0568	3.22E-04	5.57E-03	1.98E-02	3.83E-02	5.48E-02	6.68E-02
5 2 56 57	21645.80		1.6584	0.0303	0.0	4.465-08	5.34E~06	8.49E-05	4.96E-04	1.656-03
4 1 40 '41	5405.60		1.6582	0.0303	1.06F-03	8.616-03	2.10E-02	3.226-02	3.97E-02	4.345-02
7 4 C 1	8418.13	6030.90	1.6581	Ç.0603	4.85F-06	1.66E-04	8.35E-04	1.98E-03	3.25E-03	4.37E-03
6_ 3 17 16	6698.49 2		1.6580	0.0585	6•94È-06	1.04F-04	3.45E-04	6.37E-04	8.86E-04	1.06E-03
6 3 53 52	11099.95 2	6031.49	1.6580	0.0303	5.80E-08	7.18E-06	6.84E-05	2.38E-04	5.04E-04	8.14E-04
3 0 49 50	4862.58		1.6577	0.0303	6.26E-04	3.91E-03	8.36E-03	1 • 1 9E-02	1.39E-02	1.46E-02

AO AE 10 1F	LOWER- State	CODE	NUMBER	WAVE Length	HALF Width	*****	¢∳ INTEGRAT	ED ** ABSORI CM*G		EFFICIENT *	******
	ENERGY		C M-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
. 3 65 84		1	6032.72	1 +6576	0.0303	0.0	5.76F-07	4.02E-05	4 • 61E-04	2.17F-03	6.19E-03
1 4 68 67	16726-89	1	6032.80	1 • 6576	0.0303	0.0	8.65F-06	3.18E-04	2.496-03	9.09E-03	2.16E-02
£3 1E 17	6759.20	2	£0.EE03	1.6575	0.0568	6.81E-06	1.05E-04	3.53E-04	6.58E-04	9.21E-04	1.10F-03
3 0 33 34	2179.32	ے	6033.13	1.6575	0.0321	2.42E-04	4.15E-04	4.66E-04	4 • 49E-04	4.058-04	3.54E-04
6 3 52 51	10917.06	2	6033.29	1.6575	0.0303	7.32E-08	8.30E-06	7.57E-05	2.56E-04	5.35E-04	8.52E-04
5 2 6 7	4267.90	2	00.EE00	1 • 6574	0.0620	3.51E-05	1.64E-04	3.03E-04	3.95E-04	4.35E-04	4.40E-04
, 5 2 29 30	6010.21	1	6033.84	1.6573	0.0340	9.27E-04	1.00E-02	2.82E-02	4.73F-02	6.17E-02	7.03F-02
4 1 21 22	3016.41	2	6033.94	1.6573	0.0496	2.21E-04	5.67E-04	7.78E-04	8.45E-04	8.26E-04	7.66E-04
4 1,1CE 107	23334.10	1	6034.16	1.6572	0.0303	0.0	0.0	7.855-07	1.59E-05	1.09F-04	4.08E-04
5 2 77 76 4 1 92 91	14538.66	2	6034.19	1.6572	0.0303	0.0	2.55E-07	5.54E-06	3.16E-05	9.32E-05	1.90E-04
	16952.23	2	6034.63	1 • 6571	0.0303	0.0	0.0	5.44E-07	4.39E-06	1.63E-05	3.93E-0F
6 3 19 18 6 3 51 50	6823.48	2	6034.72	1.6571	0.0552	6.62E-06	1.05E-04	3.60E-04	6.76E-04	9.53E-04	1.15E~03
6 3 16 17	10737.57 6922.10	2 1	6034.99	1.6570	0.0303	9.20E-08	9.57E-06	8.36E-05	2 • 76E-04	5.66E-04	8.90F-04
63 20 19	6891.30	2	6035.51	1.6569	0.0585	3.38E-04	5.66E-03	1.99E-02	3.79E-02	5.40E-02	6.55E-02
7 4 67 66	16486.06	1	6036.31 6036.56	1.6566	0.0535	6.38E-06	1.058-04	3.65E-04	6.92E-04	9.81E-04	1.19E-03
3 0 117 116	24956.02	1	6036.59	1 • 6566 1 • 6566	0.0303 0.0303	0.0	1.06E-05	3.68E-04	2.78E-03	9.925-03	2.32F-02
6 3 50 49	10561.49	2	6036.59	1.6566		0.0	0.0	7-21E-08	1.84E-06	1.48F-05	6.18E-05
5 2 97 96	21302.14	1	6037.27	1.6564	0.0303 0.0303	1.15E-07	1.10E-05	9.20E-05	2 • 96E-04	5.97E-04	9.285-04
5 2 5 6	4242.63	a a	6037.80	1.6562	0.0503	0.0 3.15E-05	6.05E-08	6.67E-06	1.01E-04	5.71E-04	1.85F-03
_6 <u></u> 3 21 20	6962.68	2	6037.80	1.6562	0.0515	6.11E-06	1.45E-04 1.04F-04	2.67E-04	3.47€-04	3-81E-04	3.84E-04
6 3 49 48		2	6038.08	1.6562	0.0303	1.43E-07	1.26E-05	3.67E-04	7.04E-04	1.01F-03	1 22E-03
7 4 1 0	8414.43	1	6038.20	1.6561	0.0603	4 98E-06	1.71E-04	1.01E-04 8.55E-04	3.17E-04	6.28E-04	9.66E-04
6 J E4 E3	19088.83	1	6038.41	1.6561	0.0303	0.0	7.516-07	4.87E-05	2.02E-03 5.36E-04	3.33E-03	4.47E-03
4 1 39 40	5251.08	1	6038.43	1.6561	0.0303	1.31E-03	9.82E-03	2.31E-02	3.46E-02	2.45F-03 4.20E-02	6.84E-03
5 2 76 75	14274.14	2	6038.52	1 -6560	0.0303	0.0	3.20E-07	6.53E-06	3.58E-05	1.03E-04	4.54E-02 2.07E-04,
6 3 22 21	7037.61	2	6039.19	1.6559	0.0496	5.818-06	1.02E-04	3.68E~04	7.14E-04	1.03E-03	1.256-03
6 3 48 47	10219.57	2	6039.46	1.6558	0.0303	1.77E-07	1.43E-05	1+1CE-04	3.38E-04	6.60E-04	1.00E-03
4 1 20 21	2936.50	2	6039.61	1.6557	0.0515	2+40E-04	5.91E-04	7.95E-04	8 - 54 E-04	8.29E-04	7.64E-04
3 0 32 33	2055.22	2	6039.97	1.6556	0.0326	2.83E-04	4.58E-04	4.98E-04	4.71E-04	4.20E-04	3.65E-04
7 4 66 65	16248.61	1	6040.21	1 • 6556	0.0303	0.0	1.29E-05	4.245-04	3.10E-03	1.08E-02	2.48E-02
6 3 23 22	7116.09	2	6040.48	1 • 6555	0.0476	5.48E-06	1.00E-04	3.68E-04	7.20E-04	1.04E-03	1.28E-03
4 1 91 90	16637.68	2	604C.57	1 • 6555	0.0303	0.0	0.0	6.63E-07	5.11E-06	1 -85E-05	4.35E-05
5 2 28 29	5897.62	1	6040.60	1.6555	0.0359	1.07E-03	1.09E-02	2.99F-02	4.94E-02	6.37E-02	7.20F-02
6 3 47 46 6 3 15 16	10053.75	2	604C.74	1.6554	0.0303	2.175-07	1 • 63E-05	1.21E-04	3.60E-04	6.92E-04	1.C4F-03
6 3 15 16 3 0 48 49	6858.63	1	6040.91	1.6554	0.0591	3.52E-04	5.72E-03	1.98E-02	3.74E-02	5.29E-02	6.39F-02
6 3 24 23	4673.40 7198.11	1 2	6041.40	1.6552	0.0303	8 • 1 3E-04	4.63E-03	9.47E-03	1.31E-02	1.50E-02	1.56F-02
	8418.13	1	6041.67	1.6552	0.0457	5.13E-06	9.775-05	3.65E-04	7.24E-04	1.06E-03	1.31F-03
5 2 4 5	4220.97	2	6041.70 6041.90	1.6552	0.0606	1.00E-05	3.44E-04	1.73E-03	4.09E-03	6.73E-03	9.04E-03
6 3 46 45	9891.36	2	6041.90	1 • 6551 1 • 6551	0.0614 0.0303	2.73E-05	1.25E-04	2.28E-04	2.95E-04	3.24E-04	3-26E-04
4 1 107 106	22956.67	1	6042.52	1.6549	0.0303	2.65E-07	1.84E-05	1.31E-04	3.83E-04	7.24E-04	1.08E-03
6 3 25 24	7283.66	2	6042.75	1.6549	0.0437	0•0 4•77E06	0.0	1.01E-06	1.93E-05	1.28E-04	4.66E-04
5 2 75 74	14012.86	2	6042.75	1.6549	0.0303	0.0	9.47F-05	3.61E-04	7.25E-04	1.07E-03	1.33F-03
6 3 45 44	9732.40	2	6042.99	1.6548	0.0303	3.22F-07	4.01E-07 2.07E-05	7.68E-06 1.42E-04	4.06E-05	1-145-04	2.25E-04
7 4 65 64	16014.55	1	6043.74	1.6546	0.0303	0.0	1.57E-05	4.875-04	4.06E-04 3.44E-03	7.56E-04 1.17E-02	1.116-03
6 3 26 25	7372.76	2	6043.74	1.6546	0.0418	4.40E-06	9 • 12E-05	3.56E-04	7.23E-04	1.17E-02 1.07E-03	2.65E-02
6 3 44 43	9576.89	2	6043.96	1.6545	0.0303	3.905-07	2.32E-05	1.54F-04	4.29E-04	7.87E-03	1.34E-03 1.14E-03
6 3 83 82	18792.51	1	6043.99	1.6545	0.0303	0.0	9.756-07	5.89E-05	6.21E-04	2.76E-03	7.56E-03
5 2 56 55	20961.57	1	6044.35	1.6544	0.0303	0.0	8.17E-08	8.315-06	1 • 20E - 04	6.55E-04	2.08E-03
6 3 27 26	7465.39	2	6044.62	1.6544	0.0398	4.04E-06	8.75E-05	3.49E-04	7.19E-04	1.08E-03	1.35F-03
6 3 43 42	9424.83	2	6044.82	1.6543	0.0303	4.685-07	2.60E-05	1.65E-04	4 52E-04	8.17E-04	1.18E-03
7 4 3 2	8425.54	1	6045.09	1.6542	0.0609	1.51F-05	5.19E-04	2.61E-03	6.19E-03	1.02E-02	1.37E-02
									<del></del>		

2

VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE Length	HALF WIOTH	****	** INTEGRATI	ED ** ABSORI CM*G	PTION ** COS	EFFICIENT *:	*****
-				ENERGY		CM-1	FICRON	H5	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
									44			0.505-04	8 • 27E-04	7.59E-04
4	1		20	2860-19	2	6045.19	1.6542	0.0535	2.57E-04	6.12E-04	8.08E-04	8.59E-04 7.12E-04	1.08E-03	1.36F-03
6	3	28	27	7561.55	2	6045.40	1.6542	0.0379	3.68E-06	8.35E-05	3.41E-04	4.75E-04	8.47F~04	1.21E-03
6	3		41	9276.23	2	6045.58	1.6541	0.0303	5.60E-07	2.89E-05	1.78E-04	2.41E-04	2.64E~04	2.65E-04
5	2	3	4	4202.92	2	6045.90	1.6540	0.0611	2.26E-05 0.0	1.02E-04 0.0	1.87E-04 9.47E-08	2 29E-06	1.77E-05	7.16E-05
3		116		24548.55	1	6046.00	1.6540	0.0303		7.94E-05	3.32E-04	7.03E-04	1'-07E~03	1.37E-03
6	3	29	28	7661-24	2	6046.08	1.6540	0.0359	3.34E-06	1.12E-02	2.53E-02	3.71E-02	4.44E-02	4.75E-02
4	1	35	39	5100.25	1	6046.21	1.6539	0.0303 0.0597	1.60E-03 3.63E-04	5.73E-03	1.95E-02	3.66E-02	5.16E-02	6.20F-02
6	3	14	15	6798.89	1	6046.21	1.6539	-	6.65E-07	3.20E-05	1.90E-04	4.98E-04	8.76E-04	1.238-03
6	3	41	40	9131.08	2	6046.24	1.6539	0.0303	0.0	0.0	8.06E-07	5.95E-06	2.08F-05	4.81E-05
4	1	90	89	16326.21	2	6046.39	1.6539	0.0303	3.00E-06	7.51E-05	3.21E-04	6.91E-04	1.07E-03	1 37E-03
6	3	30	29	7764.45	2	6046.66	1.6538	0.0340 0.0331	3.29E-04	5.02E-04	5.31E-04	4.94E-04	4.35E-04	3.75E-04
3	0	31	32	1934.72	2	6046.72	1.6538	0.0303	7.86E-07	3.536-05	2.03E-04	5.21E-04	9.03E~04	1.26E-03
6	3	4 C	39	8989.41	2	6046.79	1.6538 1.6538	0.0303 ,	0.0	5.00E-07	9.01E-06	4.59E-05	1.265-04	2.43E-04
5	, 2	74	73	13754.60	2	6046.86	1.6537	0.0335	2.70E-06	7.10E-05	3.12E-04	6.82E-04	1.06E-03	1.37E-03
6	,3	31	05 E3	7871.18	2	6047.13 6047.15	1.6537	0.0303	0.0	1.90E-05	5.59E-04	3.82E-03	1.27E-02	2 836-02
,	~	64	38	15783.89	1 2	6047.24	1.6536	0.0303	9.235-07	3.89E-05	2.16E-04	5.43E-04	9.29E-04	1.29E-03
6	3 2	39 27	28	8851.20	ī	6047.25	1.6536	0.0379	1.22E-03	1.18E-02	3.16E-02	5.13E-02	6.56E-02	7.36E-02
5			31	5788.74	2	6047.50	1.6536	0.0379	2.41E-06	6.69E-05	3.02E-04	6.70E-04	1.05E-03	1.37E-03
. 6	3	32	37	7981.43			1.6536	0.0303	1.08E-06	4.25E-05	2.295-04	5.65E-04	9.54E-04	1.31E-03
6	3	35	32	8716.48	2	6047.59 6047.77	1.6535	0.0326	2.14E-06	6.27E-05	2.91E-04	6.56E-04	1.04E-03	1.37E-03
6		33 37	36	8095•19 8585•23	2 2	6047.83	1.6535	0.0308	1.25E-06	4.64E-05	2.42E-04	5.85E-04	9.76E-04	1.33F-03
459	3 3	34	33	8212.45	2	6047.94	1.6535	0.0321	1.89E-06	5.85E-05	2.79E-04	6.40E-04	1.03E-03	1.36E-03
Ψ 6	3	36	35	8457.48	2	6047.97	1.6534	0.0312	1.44E-06	5.03E-05	2.54E-04	6.05E-04	9.97E~04	1.34E-03
6	3	36	34	8333.21	2	6047.97	1.6534	0.0317	1.66F-06	5.44E-05	2.67E-04	6.23E-04	1.02E-03	1.35E-03
7	4	4	34	8436.66	ī	6048.37	1.6533	0.0611	2.00E-05	6.93E-04	3.49E-03	8.30E-03	1.37E-02	1.84E-02
			81	18499.43	i	6049.46	1.6530	0.0303	0.0	1.26E-06	7.116-05	7.18E-04	3.11E-03	8.33E-03
	2	€2 	- 3	4188.48	2	6045.40	1.6529	0.0609	1.75E-05	7.86E-05	1.43E-04	1.84E-04	2.01E-04	2.02E-04
5 3	_ 6	47	48	4487.89	i	6050 • 11	1.6529	0.0303	1.05E-03	5.47E-03	1.07E-02	1 -44E-02	1.62E-02	1.67E-02
7	- 4	63	62	15556.63	i	6050.45	1.6528	0.0303	0.0	2.29E-05	6.38E-04	4.22E-03	1.38E-02	3.02E-02
4	1	18	19	2787.51	Ž	6050.67	1+6527	0.0552	2.74E-04	6.30E-04	8 - 1 8E-04	8.60E-04	8.23E-04	7.51E-04
4		106		22582.21	1	6050.76	1.6527	0.0303	0.0	0.0	1.29E-06	2.34E-05	1.50E-04	5.32E-04
	2	_73	72	13499.99	2	6050.87	1.6527	0.0303	0.0	6.22E-07	1.05E-05	5.18E-05	1.38E-04	2.63E-04
5	- 2	95	94	20624.10	1	6051.31	1 • 6525	0.0303	0.0	1.100-07	1.03E-05	1.42E-04	7.50E-04	2.336-03
.6	3	13	14	6742.87	ī	6051.40	1.6525	0.0604	3.71E-04	5.70E-03	1.92E-02	3.57E-02	4.99F-02	5.98E-02
7	4	5	4	8451.48	ī	6051.55	1.6525	0.0614	2.48E-05	8.64E-04	4.37E-03	1.04E-02	1.72E-02.	2.31E-02
4	1	29	ee	16017.84	2	6052.11	1.6523	0.0303	0.0	0.0	9.85E-07	6.95E-06	2.37E-05	5.356-05
3	ō	ΞĊ	31	1817.62	2	6053.37	1.6520	0.0335	3.80E-04	5.48E-04	5.64E-04	5.16E-04	4.50E-04	3.84E-04
	. 2		2	4177.65	2	6053.61	1.6519	0.0606	1-19E-05	5.346-05	9.67E-05	1 .24E-04	1.36E-04	1 • 36E-04
5 7	. 4	€2	61	15332.79	1	6053.64	1.6519	0.0303	0.0	2.76E-05	7.27E-04	4.66E-03	1.49E-02	3.21E-02
5	2		27	5683.57	1	6053.81	1.6519	0.0398	1.38E-03	1.286-02	3.33E-02	5.32E-02	6.73E-02	7.49F-02
4	1	27	38	4953.12	1	6053.90	1.6518	0.0303	1.94E-03	1.26E-02	2.76E-02	3.97E-02	4.68E-02	4.96F-02
7	4	6	5	8470.00	i	6054.62	1.6516	0.0617	2.93E-05	1.03E-03	5.24E-03	1.25E-02	2.07E-02	2.79F-02
5	2		71	13248.44	2	6054.77	1.6516	0.0303	0.0	7.71E-07	1.23E-05	5.83E-05	1.52E-04	2.84F-04
6.,	_ "З		eo	18209.59	1	6054.80	1.6516	0.0303	0.0	1.63E-06	8.56E-05	8.29E-04	3.49E-03	9.176-03
3		115	114	24143.93	1	6055.30	1.6514	0.0303	0.0	0.0	1.24E-07	2.83E-06	2.10E-05	8.30E-05
4	1	17	18	2718.44	2	6056.06	1.6512	0.0568	2.90E-04	6-456-04	8.23E-04	8.57E-04	8-14E-04	7.40F-94
6	3	12	13	6690.57	1	6056.49	1.6511	0.0610	3.75E-04	5.62E-03	1.86E-02	3.45E-02	4.80E-02	5.73F-02
7	4	€1	60	15112.37	1	6056.72	1.6511	0.0303	0.0	3.30E-05	8.25E-04	5 • 1 2E-03	1.600-02	3.405-02
5	2		1	4170.43	2	6057.32	1.6509	0.0603	6.C8E-06	2.71E-05	4.90E-05	6.29E-05	6.87E-05	6.90E-05
7	. 4	7	6	8492.22	1	6,057.59	1.6508	0.0620-	3.35E-QS	1.19E-03	6.09E-03	1.46E-02	2.41E-02	3.26F-02
4	1	83	67	15712.59	2	6057.72	1.6508	0.0303	0.0	4-17E-08	1.20E-06	8.11E-06	2.68E-75	5.93F-05
٤	2	94	53	20289.75	1	6058.15	1.6507	0.0303	0.0	1.48E-07	1.28F-05	1.67E-04	8.58E-04	2.60E-03

νu	٧L	JU	JL	LCWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRAT	ED ** ABSORI		EFFICIENT *:	****
				ENERGY		CH-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
5	2	71	7 C	13000.15	2	6058.56	1.6506	0.0303	0.0	9.53E-07	1.43E-05	6.54E-05	1 • 67E-04	3.06E-04
3	o	46	47	4306.05	1	6058.72	1.6505	0.0303	1.35E-03	6.43F-03	1.20E-02	1.58E-02	1.75E-02	1.77E-02
4	1	105	104	22210.73		6058.88	1.6505	0.0303	0.0	0.0	1.655-06	2.84E-05	1 - 75E - 04	6.06F-04
7	4	60	59	14895.39		6659.68	1.6503	0.0303	5.13E-08	3.94E-05	9.34E-04	5.625-03	1.72E-02	3.60E-02
.3	0	29	30	1704.53		6059.93	1.6502	0.0340	4.36E-04	5.96F-04	5.97E-04	5.378-04	4.63E-04	3.92E-04
6	3	80	79	17923.02	1	6060.03	1.6502	0.0303	0.0	2.09E-06	1.03F-04	9.55E-04	3.91E-03	1.01E-02
5	2	25	26	5582-12	1	6060.26	1.6501	0.0418	1.56E-03	1.37E-02	3.48F-02	5.49E-02	6.88E-02	7.61F-02
Ÿ	4	8	7	8518.15		6660.45	1.6500	0.0623	3.73E-05	1.34E-03	6.91F-03	1.66E-02	2.76E-02	3.73E-02
<b>4</b> ,	1	16	17	2652.99	2	6061.35	1.6498	0.0585	3.04E-04	6.55E-04	8•23E→04	8-49E-04	8.02E-04	7.25E-04
6	3	11	12	6642.00	1	6061.48	1.6498	0.0617	3.75E-04	5.49E-03	1.80E-02	3.30E-02	4.58E-02	5.456-02
4	1	36	37	4809.68		6061.50	1.6498	0.0308	2.34E-03	1.42E-02	3.00E-02	4.23E-02	4.925-02	5.17F-02
5	2	70	69	12755.13		6062.25	1 • 6 4 9 6	0.0303	0.0	1.17E-06	1.66E-05	7.33E-05	1.82E-04	3+30E-04
7	4	59	58	14681.85		6062.52	1.6495	0.0303	6.80E-08	4.71E-05	1.06E-03	6.19E-03	1.86E-02	3.83E-02
7	4	9	8	8547.78	1	6063.21	1.6493	0.0624	4.07E-05	1.49E-03	7.70E-03	1.86F-02	3.09E-02	4.20E-02
4.	1	. 27.	66	15410.46	2	6063.22	1.6493	0.0303	0.0	5.45E-08	1.46E-06	9.44E-06	3.03E-05	6.57E-05
5	2	1	C	4166.82		6064.44	1.6490	0.0603	6.25E-06	2.785-05	5.03E-05	6.45E-05	7.04F-05	7.06E-05
_3	0	114	113	23742.18		6 C64 . 47	1.6489	0.0303	0.0	0.0	1.63E-07	3.49E-06	2.50E-05	9.60E-05
. 5	2	93	92	19958.52		6064.87	1.6488	0.0303	0.0	1.98E-07	1.58E-05	1 • 97E-04	9.79E-04	2.90F-03
6	3	75	78	17639.71	1	6065.14	1.6488	0.0303	0.0	2.68E-06	1.23E-04	1.10E-03	4.37E-03	1.11E-02
7	4	58	57	14471.76	1	6065.26	1.6487	0.0303	8.96E~08	5.61E-05	1.20E-03	6.80E-03	2.00E-02	4.07E-02
5	2	69	68	12513.40	2	6065.82	1 .6486	0.0303	0.0	1.44E~06	1.92E-05	8+19E-05	1.995-04	3.54E-04
7	4	10	9	8581.11	1	6065.86	1.6486	0.0624	4.36E-05	1.62E-03	8.45E-03	2.05E-02	3.425-02	4.65E-02
6	3	10	11	6597.16	1	6066.36	1.6484	0.0625	3.70E-04	5.30F-03	1.72E-02	3.14E-02	4.33E-02	5-14E-02
3	0	28	29	1594.85	2	6066.39	1.6484	0.0359	5.00E-04	6.48E-04	6.32E-04	5.60E-04	4.77E-04	4.02E-04
4	1	15	16	2591.16	2	6066.54	1.6484	0.0591	3.16E-04	6.61E-04	8.18E-04	8.37E-04	7.85E-04	7-07F-04
5	2	24	25	5484.40	1	6066.61	1.6484	0.0437	1.74E-03	1.46E-02	3.63E-02	5.65E-02	7.01E-02	7.70E-02
٠,4	1	1 0 4	103	21842.26	1	6066.88	1.6483	0.0303	0.0	0.0	2.10F-06	3.43E-05	2.04E-04	6.89E-04
3	0	45	46	4127.89	1	6067.24	1.6482	0.0303	1.72E-03	7.53E-03	1.35E-02	1.735-02	1.88E-02	1.89E-02
\$	2	2	1	4170-43	2	6067.86	1.6480	0.0606	1.26E-05	5.62F-05	1.02E-04	1.30E-04	1.42E-04	1.43E-04
7	4	57	56	14265-13	1	6067.88	1.6480	0.0303	1.17E-07	6.65E-05	1.36E-03	7.46E-03	2.15E-02	4.31E-02
7	4	11	10	8618.14	1	6068.40	1.6479	0.0625	4.6CE-05	1.74E-03	9.15E-03	2.23E-02	3.74E-02	5-10E-02
4	1	86	25	15111.46	2	6068.61	1.6478	0.0303	0.0	7.11E-08	1.77E-06	1-10E-05	3.42E-05	7.27F-05
.4.	1	35,	36	4669.95	1	6068.99	1.6477	0.0312	2.80E-03	1.59E-02	3.26E-02	4.50E-02	5-16E-02	5.37E-02
5	2	68	67	12274.96	2	6069.29	1.6476	0.0303	0.0	1.76E-06	2-22E-05	9.13E-05	2.17F-04	3.80E-04
6	3	78	77	17359.69	1	6070-14	1.6474	0.0303	0.0	3-42E-06	1-47E-04	1.26E-03	4.88E-03	1.21E-02
7	4	56	55	14061.97	ı	607C.38	1.6473	0.0303	1.536-07	7.86E-05	1.53E-03	8.15E-03	2.30E-02	4.56E-02
7	4	12	11	8658.86	1	6070.84	1.6472	0.0617	4.78E-05	1.84E-03	9.8CE-03	2.4CE-02	4.05E-02	5.53E-02
6	3	9	10	6556.05	1	6071.14	1.6471	0.0624	3.60E-04	5.06F-03	1.63E~02	2.95E-02	4.05E-02	4.79E-02
5 5	2	3	2	4177.65	2	6071.17	1.6471	0.0609	1.895-05	8.47F-05	1.54E-04	1 - 97E-04	2.16F-04	2.17E-04
5	2	92	91	19630.43	1	6071.47	1.6470	0.0303	0.0	2.63E-07	1.95E-05	2.31E-04	1.12E-03	3.23F-03
4	1	14	15	2532.96	2	6071.64	1.6470	0.0597	3.25E-04	6.62E-04	8.08E-04	8.19E-04	7.65E-04	6.86E-04
5	2	67	66	12039.83	2	6072.66	1 • 6 4 6 7	0.0303	0.0	2.14F-06	2.55E-05	1.02E-04	2.36E-04	4.06E-04
3	0	27	28	1488.80	2	6072.76	1.6467	0.0379	5.69E-04	7.01E-04	6.66E-04	5.81E-04	4.91E-04	4.10E-04
7	4	<b>\$</b> 5	54	13862.29	1	6072.78	1.6467	0.0303	1.98E-07	9.26E-05	1.72E-03	8.90E-03	2.476-02	4.81E-02
5	2	23	24	5390.41	1	6072.86	1.6467	0.0457	1.936-03	1.55E-02	3.77E-02	5.78E-02	7.11E-02	7.77E-02
7	4	13	12	8703.29	1	6073.17	1.6466	0.0610	4.918-05	1.938-03	1.04E-02	2.57E-02	4.34E-02	5.95F-02
3			112	£5.54565	1	6073.53	1.6465	0.0303	0.0	0.0	2.12E-07	4.31E-06	2.97E-05	1.11E-04
4	1	25	84	14815.63	2	6673.89	1.6464	0.0303	0.0	9.23E-08	2.14E-06	1.276-05	3.866-05	8.03E-05
5	2	4	3	4188.48	2	6074.39	1.6463	0.0611	2.52E-05	1-13E-04	2.06E-04	2.65E-04	2.99E-04	2.91E-04
4		103		21476.80	1	6074.76	1.6462	0.0303	0.0	0.0	2.67E+06	4.14E-05	2.38E-04	7.83E-04
_6	3	77	76	17082.96	1	6075.02	1.6461	0.0303	0.0	4.36E-06	1.75E-04	1.44E-03	5.44E-03	1.32F-02
7	4	54	53	13666.09	1	6075.06	1.6461	0.0303	2.55E-07	1.09E-04	1.92E-03	9.68E-03	2.63E-02	5.07E-02
7	4	14	13	8751.40	1	6075.39	1.6460	0.0604	4.99E-05	2.01E-03	1.09E-02	2.72E-02	4.62E-02	6.35F-02

	VU	٧L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	* INTEGRAT	ED ** ABSOR		FFFÍCIENT *	*****
					ENERGY		CH-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	3	0	44	45	3953.41	1	6075.65	1.6459	0.0303	2.18E-03	8.79E-03	1.51E-02	1.89E-02	2.02E-02	2.00E-02
	6	3	8	9	6518-68	i	6075.82	1.6459	0.0624	3.45E-04	4.76F-03	1.52E-02	2.73E-02	3.75E-02	4.42F-02
	5	s	66	65	11808.00	- 2	6075.91	1.6458	0.0303	0.0	2.59E-06	2.93E-05	1.13E-04	2.56E-04	4.34E-04
	4	ĩ	34	35	4533.94	1	6076.38	1.6457	0.0317	3+34E-03	1.78E-02	3.52E-02	4.77E-02	5.40E-02	5.56F-02
	4	1	13	14	2478.38	ž	6076.64	1.6456	0.0604	3.32F-04	6.57E-04	7.92E-04	7.97E-04	7.40E-04	6.62F-04
	7	4	63	52	13473.39	1	6077.23	1.6455	0.0303	3.27E-07	1-27E-04	2.14E-03	1.05E-02	2.81E-02	5.33F-02
	7	4	15	14	8803.20	1	6077.51	1.6454	0.0597	5.02E-05	2.07E-03	1.14E-02	2.86E-02	4.88E-02	6.73E-02
	5	2	5	4	4202.92	2	6077.51	1.6454	0.0614	3.12E-05	1.41E-04	2.58E-04	3.32E-04	3.64E-04	3.66E-04
	. 5	2	51	90	19305.50	1	6077.96	1.6453	0.0303	0.0	3.50F-07	2.39E-05	2.71E-04	1.27E-03	3.59E-03
	` 5	2	22	23	5300.14	1	6 079.01	1.6450	0.0476	2-13E-03	1.64E-02	3.9CE-02	5.90E-02	7.20E-02,	7.82E-02
	3	0	26	27	1386.36	2	6079.03	1.6450	0.0398	6-43E-04	7.54E-04	7.00E-04	6.02E-04	5.03E-04	4.17E-04
	5	2	65	64	11579.50	2	6079.06	1.6450	0.0303	0.0	3.13E-06	3.35E-05	1.25E-04	2.78E-04	4.63E-04
	4	1	24	83	14522+95	2	6079.06	1.6450	0.0303	0.0	1.19E-07	2.59E-06	1 .47E-05	4.34E-05	8.86E-05
	7	4	52	51	13284.19	1	6079.28	1.6449	0.0303	4 • 1 7E-07	1.48F-04	2.38E-03	1.14E-02	2.98E~02	5.60E-02
	7	4 .	.16	15	8858.70	1	6079.52	1.6449	0.0591	4.99E-05	2.12E-03	1.18E-02	2.98E-02	5.12E-02	7.09E-02
	6	3	76	75	16809.55	1	6679.78	1.6448	0.0303	0.0	5.52E-06	2.07E-04	1.64E-03	6.05E-03	1.44E-02
	6	3	7	8	6485.03	1	608C.40	1.6446	0.0623	3.25E-04	4.41E-03	1.39E-02	2.50E-02	3.42E-02	4.02E-02
	5	2	6	5	4220.97	2	6080-53	1.6446	0.0617	3.69E-05	1 69E-04	3.09E-04	3.99E-04	4.39E-04	4.42E-04
	,7	4	51	5 C	13098.50	1	6081.23	1.6444	0 • 0 3 0 3	5.29E-07	1.71E-04	2.64F-03	1.23E-02	3.17E-02	5.86E-02
	7	4	17	16	8917.88	1	6081.42	1.6444	0.0585	4.92E-05	2.15E-03	1.22E-02	3-10E-02	5.34E-02	7.43E-02
	4	1,	12	13	2427.44	2	6081.55	1.6443	0.0610	3.35∈~04	6.47E-04	7.71E-04	7.70E-04	7.12E-04	6.345-04
461	5	2	€4	63	11354.33	2	6082.11	1.6442	0.0303	0.0	3.77E-06	3.82E-05	1.38E-04	3.00E-04	4.93E-04
<del>_</del>	3		112		22947.38	1	6082.46	1.6441	0.0303	0.0	0.0	2.77E-07	5.30E-06	3.51E-05	1.28E-04
	4		102		21114.38	1	6082.53	1.6441	0.0303	0.0	0.0	3.38E-06	4 • 98E-05	2.77E~04	8.88E-04
	7	4	5 C	49	12916.32	1	6083.06	1.6439	0.0303	6.67E-07	1.98E-04	2.92E-03	1.32E-02	3.35E-02	6.13E-02
	7	4	18	17	8980.75	1	6083.21	1.6439	0.0568	4.81E-05	2.16E-03	1.24E-02	3.19E-02	5.55E-02	7.75E-02
	_5_	2	7	6	4242.63	2	6083.45	1.6438	0.0620	4.236-05	1.95E-04	3.59E-04	4.66E-04	5.13E-04	5+17E-04
	4	1	33	34	4401.64	1	6083.67	1.6437	0.0321	3.95E-03	1.98E-02	3.79E-02	5.03E-02	5.63E-02	5.75E-02
	3	0	43	44	3782.62	1	6083.97	1.6437	0.0303	2.75E-03	1.02E-02	1.69E-02	2.05E-02	2.16F-02	2.12E-02
	4	1	£3	82	14233.45	2	6084-12	1.6436	0.0303	0.0	1.54E-07	3.11E-06	1.70E-05	4.88E-05	9.75E-05
	5 6	2	9C 75	89 74	18983.73 16539.45	1	6084.33 6084.43	1.6436 1.6435	0.0303 0.0303	0.0	4.63E-07 6.98E-06	2.93E-05 2.46E-04	3.17E-04 1.87E-03	1.44F-03 6.71E-03	3.99F-03 1.57E-02
		4	49	48	12737.67	1	6084.78	1.6434	0.0303	8.36E-07	2.28E-04	3.22E-03	1.42E-02	3.54E-02	6.40E-02
	.7 ~ 6	3	4 <b>9</b>	7	6455.12	1	6084.76	1.6434	0.0620	2.99E-04	4.01E-03	1.26E-02	2.25E-02	3.06E~02	3.60E-02
	.7	4	15	18	9047.30	î	6084.90	1.6434	0.0552	4.66E-05	2.16E-03	1.26E-02	3.28E-02	5.73E~02	8.04E-02
	 5	2	63	62	11132.49	2	6085.04	1.6434	0.0303	0.0	4.53E-06	4.35E-05	1 • 52E-04	3.24E-04	5.24E-04
	5	2	21	22	5213.61	1	6 C85 • 05	1.6434	0.0496	2.34E-03	1.72E-02	4.01E-02	6.00E-02	7.25E-02	7.83E-02
	3	ō	25	26	1287.55	2	6085.22	1.6433	0.0418	7.22E-04	8.08E-04	7.32E-04	6.20É-04	5.14E-04	4.24E-04
	_6	. 2	e	7	4267.90	2	6086.27	1.6430	0.0623	4.72E-05	2.20E-04	4.08E-04	5.31E-04	5.86E-04	5.925-04
	4	1	11	12	2380.12	2	6086.36	1.6430	0.0617	3.34E-04	6.31E-04	7.43E-04	7.37E-04	6.79E-04	6.03E-04
	7	4	48	47	12562.54	1	6026.38	1.6430	0.0303	1.04E-06	2.61E-04	3.54F-03	1.52E-02	3.73E~02	6+66F-02
	7	4	20	19	9117.53	ì	6086.48	1.6430	0.0535	4.48F-05	2.15E-03	1.28E-02	3.35E-02	5.89E-02	8.316-02
	5	2	62	61	10914.00	2	6087.67	1.6426	0.0303	4.78E-08	5.41E-06	4.93E-05	1 +67E-04	3-48E-04	5.55E-04
	7	4	47	46	12390.96	1	6087.88	1.6426	0.0303	1.29F-06	2.98E-04	3.885-03	1.63E-02	3.92E-02	6.92E-02
	7 6	_ 4	21	20	9191.44	1	6087.95	1.6426	0.0515	4.27E-05	2.13E-03	1.29F-02	3.40E-02	6.03E-02	8.55E-02
		3	74	73	16272.68	1	6088.96	1.6423	0.0303	0.0	8.78E-06	2.90E-04	2.13E-03	7.43E-03	1.71E-02
	5	2	9	8	4296.77	2	6088.99	1.6423	0.0624	5.15E-05	2.44E-04	4.55E-04	5.95E-04	6.58E-04	6.66E-04
	4	1	82	81	13947.12	2	6089.07	1.6423	0.0303	0.0	1.98E-07	3.74E-06	1.96E-05	5.46E-05	1.07E-04
	6	3	5	6	6428.95	1	6089+23	1.6422	0.0617	2.69E-04	3.55E-03	1.11E-02	1.97E-02	2.68E-02	3.14E-02
	7	4	46	45	12222.92	1	6089.26	1.6422	0.0303	1.59E-06	3.39E-04	4.24E-03	1.74E-02	4 • 1 1 E-02	7.18E-02
	7	4	22	21	9269.02	1	6089.31	1.6422	0 • 0 • 96	4.04E-05	2.09E-03	1.29E-02	3.44E-02	6.15E-02	8.76E-02
	4		1 C 1		20755.00	1	6090-17	1.6420	0.0303	0.0	4.42E-08	4.285-06	5.98E-05	3.21E-04	1.01E-03
	7	4	45	44	12058.43	1	6090.53	1.6419	0.0303	1.956-06	3.84E-04	4.62E-03	1.856-02	4.31E-02	7.43E-02

VU	٧L	JU	JŁ	LCWER	CODE	WAVE NUMBER	WAVE Length	HÀLF WIOTH	******	**' INTEGRATI	ED ** ABSORE		EFFICIENT *:	****
				ENERGY		CH-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
, 7	4	23	22	9350.27	1	6090.57	1.6419	0.0476	3.80E-05	2.04E-03	1.28E-02	3.47E-02	6.245-02	8.94E-02
, s	2	89	88	18665.15	1	6090.58	1.6419	0.0393	0.0	6.15E-07	3.61E-05	3.73E-04	1.64E-03	4.45E-03
5	2	61	60	10698.87	2	6090.60	1.6419	0.0303	6.31E-08	6.44E-06	5.58E-05	1 • 83E-04	3.74E-04	5.88E-04
4	1	32	33	4273.06	1	6090.86	1.6418	0.0326	4.65E-03	2.19E-02	4.06E-02	5.30E-02	5.86E-02	5.93E-02
5	2	20	21	5130.82	ī	6091.00	1.6418	0.0515	2.54E-03	1.80E-02	4.11E-02	6.07E-02	7.28E-02	7.82E-02
4	ī	1 C	11	2336.44	2	6091.08	1.6417	0.0625	3.29E-04	6.09E-04	7.10E-04	7.00E-04	6-41E-04	5.68E-04
3	ō	111	1 10	22554.35	1	6091.27	1.6417	0.0303	0.0	0.0	3.60E-07	6.51E-06	4.16E-05	1.47E-04
3	ŏ	24	25	1192.36	2	6091.27	1.6417	0.0437	8.05E-04	8.61E-04	7.628-04	6.37E-04	5.24E-04	4.295-04
5	2	10	5	4329.25	2	6091.62	1.6416	0.0624	5.53E-05	2.66E-04	5.00E-04	6.56E-04	7.28E-04	7.39E-04
7	4	44	43	11897.51	1	6091.69	1.6416	0.0303	2.38E-05	4.33E-04	5.00E-03	1.96E-02	4.50E-02	7.67E-02
7	4	24	23	9435.20	1	6091.72	1.6416	0.0457	3.54E-05	1.985-03	1.27E-02	3.48E-02	6.31E-02	9.10E-02
3	0	42	43	3615.54	1	6092.19	1.6414	0.0303	3.44E-03	1.185-02	1.88E-02	2.23E-02	2.316-02	2.24E-02
7	4	43	42		ì							2.23E-02	4.68E-02	7.91E-02
7	4	25	24	11740.14 9523.78	1	6092•74 6092•75	1.6413 1.6413	0.0303 0.0437	2.88E-06 3.28E-05	4.86E-04 1.91E-03	5.42E-03 1.25E-02	3.48E-02	6.36E-02	9.23E-02
5	2	60	59	10487.10	2	6093.21	1.6412	0.0303	8.28E-08	7.645-06	6.29E-05	2.00E-04	4.01E-04	6.21E-04
6	3	73	72	16009.24		6093.38	1.6411	0.0303	0.200-00	1.10E-05	3.42E-04	2.41E-03	8.22E-03	1.86E-02
6	3	4	5	6406.52		6093.50	1.6411	0.0503	2.33E-04	3.05E-03	9.47E-03	1.68E-02	2.28E~02	2.67E-02
7	4	42	41	11586.35		6093.50	1.6410	0.0303	3.47E-06	5.44E-04	5.84E-03	2.18E-02	4.87E-02	8.13F-02
7	4	26	25	9616.03			1.6410	0.0418	3.47E-05	1.84E-03	1.235-02	3.46E-02	6.39E-02	9.33E-02
4	ī	£1	80	13663.99		6093.68 6093.91	1.6410	0.0303	0.0		4.475-06	2.25E-05	6.11E-05	1.18E-04
5	2	11	10	4365.34						2.54E-07			7.97E-04	8.10F-04
7	4	27	26		2	6094.14	1.6409	0.0625	5.84E-05	2.86F-04	5.42E-04	7.15E-04		9.405-02
7	4	41	4 C	9711.93		6094.51	1.6408	0.0398	2.75E-05	1.76E-03	1.20E-02	3.44E-02	6.40E-02 5.05E-02	8.34E-02
7	4	28	27	11436.14	1	6094.51	1.6408	0.0303	4 • 15E - 06	6.06E-04	6-28E-03	2.30E-02 3.40F-02	6.38E-02	9.446-02
7	4	40	29	9811.48 11289.51	1	6095.22	1 46406	0.0379	2.50E-05	1.67F-03	1.17E-02 6.72E-03		5.22E-02	8.54F-02
4	1	40	10		1 2	6095.22	1.6406	0.0303	4 • 94E06	6.72E-04	6.71E-04	2.41E-02 6.58E-04	6.00E-04	5.30E-04
5	. 2	59	58	2296.39 10278.70		6095.69	1.6405	0.0624	3.20E-04	5.81E-04			4.32E-04	6.59F-04.
7	` 4		28		2	6095.73	1.6405	0.0303	1.09E-07	9.09E-06	7.11E-05	2.205-04		9.46E-02
7	4	29 39	38	9914.69 11146.46	1	6095.82	1.6405	0.0359	2.25E-05 5.85E-06	1.586-03	1.14E-02	3.34E-02 2.52E-02	6.35E-02 5.38F-02	8.72E-02
,	4	36	29	10021.54		6095.83	1.6405	0.0303		7.43F-04	7.18E-03		6.30F-02	9.45E-02
7		36			1	6096.32	1.6403	0.0340	2.01E-05	1.49E-03	1.1CE-02	3.28E-02		8.89E-02
5	4	12	37 11	11007.02 4405.02	1	6096.32	1.6403	0.0303	6.88E-06	8.17E-04	7.63F-03	2.63E-02	5.54E~02 8.62E~04	8.80F-04
	_		30		2	6096.57	1.6403	0.0617	6.098-05	3.04E-04	5.81E-04	7.72E-04		9.47E-02
.٠٦.	<del>"</del> -	. 21 27	36	10132.63		6096.70	1.6402	0.0335	1.80E-05	1.41E-03	1.06E-02	3.23E-02	6.26E-02	. 9.03E-02
7	2	88	27	10871-18	1	6096.71	1.6402	0.0308	8.04E-06	8.95E-04	8.09F-03	2.73E-02	5.68E-02 1.87E-03	4.96E-03
5 _. 5	2	15	20	18349.76	1	6096.71	1.6402	0.0303	0.0	8.15E-07	4.43E-05	4.38E-04	7.28E-02	7.77E-02
7	4			5051.77	1	6096.84	1.6402	0.0535	2.74E-03	1.87E-02	4.19E-02	6.11E-02		
7	4	32 36	31 35	10246.16	1	6096.98	1.6402	0.0331	1.60E-05	1.32E-03	1.03E-02	3.16E-02	6.20E-02	. 9.45E-02 9.16E-02
7				10738.94		6096-98	1.6402	0.0312	9.34E-06	9.76E-04	8.55E-03	2.83E-02		
	4	35 33	34	10610.31		6097.14	1.6401	0.0317	1.08E-05	1.06E-03	9.00E-03	2.92E-02	5.93E-02	9.27E-02
7			32	10363.92	1	6097.14	1.6401	0.0326	1.41E-05	1.23E-03	9.86E-03	3.09E-02	6.13E-02	9.42E-02
	4	34	33	10485.30	1	6097.20	1.6401	0.0321	1 • 24E-05	1.14E-03	9.44E-03	3.01E-02	6.04E-02	9.35E-02
3		23	24	1100.81	2	6097.29	1.6401	0.0457	8.92E-04	9.13E-04	7.91E-04	6.53E-04	5.31E-04	4.32E-04
6	3	3	4	6387.82	1	6097.66	1.6400	0.0611	1.94E-04	2.51E-03	7.74E-03	1.37E-02	1.85E-02	2.17E-02
6	3	72	71	15749+16	1	6097.68	1.6400	0.0303	0.0	1.38E-05	4.01E-04	2.73E-03	9.07E-03	2.01E-02
4	1	100	99	20398.68	1	6097+69	1.6400	0.0303	0.0	6.07F-08	5.39E-06	7.16E-05	3.72E-04	1.14F-03
4	1	31	32	4148.21	l o	6097.95	1.6399	0.0331	5.44E-03	2.416-02	4.34E-02	5.57E-02	6.08E-02	6.10E-02
5	2	£6	57	10073.68		6098.13	1.6398	0.0303	1.42E-07	1.08F-05	8.03E-05	2.41E-04	4.64E-94	6.98E-04
4	1	60	79	13384.06	2	6098.65	1.6397	0.0303	0.0	3.24E-07	5.34E-06	2.58E-05	6.83E-05	1.29E-04
5	2	13	12	4448.31	2	6098.89	1.6396	0.0610	6.27E+05	3.19E-04	6.17E-04	8.25E-04	9.26E-04	9.47E=04
3	0		109	22164.27	1	6099.97	1 • 6 3 9 4	0.0303	0.0	0.0	4.66E-07	7.98E-06	4.91E-05	1.69E-04
4	1	. 6	9	2259.98		6100.21	1.6393	0.0624	3.07E-04	5.47E-04	6.26E-04	6.10E-04	5.55E-04	4.89E-04
3	0	41	42	3452.15	1	6100.31	1.6393	0.0303	4.29E-03	1.36E-02	2.08E-02	2.41F-02	2.46E-02	2.36E-02
5	2	57	56	9872.04	2	6100.43	1.6392	0.0303	1.85E-07	1.276-05	9.03E-05	2.635-04	4.97E-04	7.37E-04

VU	٧L	٦u	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	****	** INTEGRATI	ED ** ABSORI CM#GI		EFFICIENT *:	*****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
5	2	14	13	4495.20	2	6101-11	1.6390	0.0604	6.38E~05	3.32E-04	6.50E-04	8.74E-04	9.86E-04	1.01E-03
6	3	2	3	6372.86	1	6101.71	1.6389	0.0609	1.50E-04	1.93E-03	5.92E-03	1.05E-02	1 - 41E-02	1.65E-02
_6	з	71	7 C	15492.44	1	6101-87	1.6388	0.0303	0.0	1.71E-05	4.70E-04	3.08E-03	9.98E-03	2.18E-02
5	2	18	19	4976.46	1	6102.58	1.6387	0.0552	2.936-03	1.93E-02	4.24E-02	6.13E-02	7.25E-02	7.70E-02
5	2	56	55	9673.80	2	6102.63	1.6386	0.0303	2.39E-07	1.50E-05	1.01E-04	2.87E-04	5.32E-04	7.78E-04
5	2	ε7	86	18037.58	1	6102.73	1.6386	0.0303	0.0	1.08E-06	5.43E-05	5 • 13E-04	2 • 1 2E-03	5.52E-03
3	C	22	23	1012.90	2	6103.19	1.6385	0.0476	9.81E-04	9 • 62E-04	8.16E-04	6.65E-04	5.37E-04	4.34E-04
5	2	15	14	4545.69	2	6103.24	1.6385	0.0597	6.43E-05	3.43E-04	6.79E-04	9.20E-04	1.04E-03	1.07E-03
_4 .	. 1	79	78	13107.35	2	6103.28	1.6385	0.0303	0.0	4.13E-07	6.36E-06	2.95E-05	7.61E-05	1.415-04
4	1	7	e	2227.21	2	6104.64	1.6381	0.0623	2.88E-04	5.06E-04	5.75E-04	5.58E-04	5.06F-04	4.45E-04
5	2	55	54	9478.96	2	6104.71	1.6381	0.0303	3.08E-07	1.756-05	1 - 1 3E-04	3.12E-04	5.67E-04	8.20E-04
4	1	30	31	4027.09	1	6104.94	1.6380	0.0335	6.32E-03	2.64E-02	4.63E-02	5.83E-02	6.29E-02	6.26E-02
4	1	55	58	20045.44	1	6105.10	1.6380	0.0303	0.0	8.31E-08	6.79E-06	8.57E-05	4.30E-04	1.28E-03
5	2	16	15	4599.77	2	6105.26	1.6379	0.0591	6.41E-05	3.51E-04	7.04E-04	9.62E-04	1.10E-03	1.13E-03
6_	3	1	2	6361.64	1	6105.66	1.6378	0.0606	1.02E-04	1.31E-03	4.01E-03	7.08E-03	9.56E-03 1.10E-02	1.12E-02 2.35E-02
6	3	7 C	69	15239.10	1	6105.94	1.6377	0.0303	0.0	2.13E-05	5.48E-04 1.26E-04	3.47E-03 3.38E-04	6.04E-04	8+62E-04
5	2	54	53	9287.54	۷	6106.70	1.6375	0.0303	3.94E-07 6.34E-05	2.05E-05	7.26E-04	9.99E-04	1.14E-03	1.195-03
5	2	17	16	4657.45	2	6107.19	1.6374	0.0585		3.57E-04 5.23F-07	7.56E-06	3.37E-05	8.47E-05	1.54E-04
4	1	78	77	12833.86	2	6107.79	1.6373	0.0303	0.0	1.98E-02	4.28E-02	6.11E-02	7.18E-02	7.59E-02
5	2	17	18	4904.90	1	6108-22	1.6371	0.0568 0.0303	3.11E-03 5.31E-03	1.565-02	2.29E-02	2.60E-02	2.62E-02	2.48E-02
<u>. 3</u>	. 0	4 C	41	3292.48	1	6108.34	1.6371	0.0303	0.0	0.0	6.03E-07	9.76E-06	5.78F-05	1.94E-04
3	0	1 C S	108 52	21777.14	1 2	6108.54 6108.58	1.6371 1.6370	0.0303	5.02E-07	2.38E-05	1.40E-04	3.66E-04	6.42E-04	9.04E-04
5 5	2	86	85	9099.53 17728.62	1	6100.55	1.6370	0.0303	0.0	1.42E-06	6.63E-05	6.00E-04	2.41E-03	6-13F-03
4	1	6	7	2198.07	2	6108.96	1.6369	0.0620	2.665-04	4.60E-04	5.18E-04	5.01E-04	4.53E-04	3.98E-04
3	ō	21	55	928.62	2	6108.99	1.6369	0.0496	1.07E-03	1.01E-03	8.39E-04	6.76E-04	5-41E-04	4.35E-04
.5_		18	17	4718.72	2	6109.01	1.6369	0.0568	6.21E-05	3.60E-04	7.43E-04	1.03E-03	1.19E-03	1 - 24E-03
	3	0	1	6354.16	1	6109.50	1.6368	0.0503	5.21E-05	6.65E-04	2.03F-03	3.58E-03	4 . 84E - 03	5.65E-03
6	3	69	68	14989.13	i	6109.90	1.6367	0.0303	0.0	2+63E-05	6.38E-04	3.898-03	1.20E-02	2.54E-02
5	2	52	51	8914.94	2	6110.35	1.6366	0.0303	6.35E-07	2.76E-05	1.56E-04	3.95E-04	6.81E-04	9.47E-04
5	2	19	18	4783.59	2	6110-74	1.6365	0.0552	6.03E-05	3.61E-04	7.57E-04	1.06E-03	1.23E-03	1.29E-03
4	1	29	30	3909.71	1	6111.84	1.6362	0.0340	7.29E-03	2.88E-02	4.91E-02	6.08E-02	6.49E-02	6.41E-02
.5		51	5 C	8733.79	2	6112.02	1.6361	0.0303	8.00E-07	3.18E-05	1.72E-04	4.26E-04	7.21E-04	9.90E-04
4	1	77	76	12563.62	2	6112.20	1.6361	0.0303	0.0	6.61E-07	8.95E-06	3.85E-05	9.40E-05	1.68E-04
5	. 2	20	15	4852.04	2	6112.36	1.6360	0.0535	5.82E-05	3.60E-04	7.66E-04	1.08E-03	1.27E-03	1.33F-03
4	. 1	98	97	19695.29	1	6112.38	1.6360	0.0303	0.0	1.13E-07	8.51E-06	1.02E-04	4.96E-04	1.448-03
4	1	5	6	2172-57	2	6113.19	1.6358	0.0617	2.38E-04	4.08E-04	4.57E-04	4 - 40E-04	3.97E-04	3.48E-04
5	2	5 C	49	8556.07	2	6113.58	1.6357	0.0303	1.00E-06	3.66E-05	1.90E-04	4.57E-04	7.61E-04	1.036-03
_6_	3	€ €	67	14742.56	1	6113.74	1.6357	0.0303	4.54E-08	3.24E-05	7.41E-04	4.36E-03	1.32E-02	2.73E-02
5	2	16	17	4837.09	1	6113.76	1.6357	0.0585	3.27E-03	2.01E-02	4.28E-02	6.06E-02	7.08E-02	7.45E-02
5	2	21	2 C	4924.07	2	6113.88	1.6356	0.0515	5.56E-05	3.56E-04	7.72E-04	1.10E-03	1.30E-03	1.375-03
5	2	85	84	17422.89	1	6114.41	1.6355	0.0303	0.0	1.86E-06	8.08E-05	7.00E-04	2.73E-03	6.80E-93
3	0	2 C	21	847.99	2	6114.70	1 - 6354	0.0515	1.16E-03	1-05E-03	8.58E-04	6.83E-04	5-43E-04	4.34F-04
5	2	49	48	8381.80	2	6115.04	1.6353	0.0303	1.25E-06	4.19E-05	2.08E-04	4.90E-04	8.02E-04	1.08E-03
5.	2	22	21	4999.68	2	6115.30	1.6352	0.0496	5.285-05	3.51E-04	7.74E-04	1.12E-03	1.32E-03	1.41E-03
3	C	35	40	3136.53	1	6116.26	1.6350	0.0303	6.54E-03	1.78E-02	2.53E-02	2.89E-02	2.77E-02	2.60E-02
5	2	48	47	8210.98	2	6116.39	1.6350	0.0303	1.55E-06	4.79E-05	2.28E-04	5.24E-04	8.440-04	1.12E-03
4	1	76	75	12296.62	2	6116.50	1.6349	0.0303	0.0	8.33E-07	1.060-05	4.37E-05	1.04E-04	1.83E-04
5	2	23	22	5078.88	2	6116.62	1.6349	0.0476	4.98E-05	3-43E-04	7.72E-04	1.13E-03	1.35E-03	1.44F-03
6	3	. 1	0	6350.41	1	6116.88	1.6348	0.0603	5.35E-05	6.81E-04	2.08E-03	3-67E-03	4.95E-03	5.78F-03
3		108		21392.98	1	6116.99	1.6348	0.0303	0.0		7.78E-07	1 - 19E-05	6.81E-05	2.23F-04
4	1	4	5	2150.72	2	6117.33	1.6347	0.0614	2.07E-04	3.50E-04	3.9CE-04	3.75E-04	3.37E-04	2.95F-04
6	3	67	66	14499.39	1	6117.47	1.6347	0.0303	6.26E-08	3.97F-05	8.58E-04	4.88E-03	1.44E-02	5.93E-05

	۷U VL		JL	LOWER State	CODE	WAVE NUPBER	WAVE LENGTH	HALF WIDTH	*****	** INTEGRATE	D ** ABSORI CM*GN		EFFICIENT *	*****
				ENERGY		C M-1	MICRON	H5	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	5 2			8043.62	2	6117.64	1.6346	0.0303	1.90E-06	5.44E-05	2.49E-04	5.58E-04	8.85E-04	1.16E-03
	5 2		23	5161.65	2	6117.84	1.6346	0.0457	4.65E-05	3.34E-04	7.66E-04	1.136-03	1.36E-03	1.47E-03
	4 1			3796.07		6118.63	1.6344	0.0359	8.40E-03	3.14E-02	5.215-02	6.358-02	6.70E-02	6.57E-02
		46	45	7879.72		6118.79	1.6343	0.0303	2.336-06	6.16E-05	2.718~04	5.94E-04	9.26E-04	1.20E-03
		25		5247.99		6118.96	1.6343	0.0437	4.32E-05	3.23F-04	7.58E-04	1.14E-03	1.38E-03	1.49E~03
	5 2			4773.03		6119.20	1.6342	0.0591	3.40E-03	2.035-02	4.26E-02	5.98E-02	6.94E-02	7.27F-02
	4 1			19348.24		6119.55	1.6341	0.0303	0.0	1.54F-07	1.07E-05	1.22E-04	5.71E-04	1.62E-03
	5 2			7719.30	2	6119.83	1.6340	0.0303	2.84E-06	6.95F-05	2.94E-04	6.30E-04	9.675-04	1.24E-03
	\$			5337.91	2	6119.97	1.6340	0.0418	3.99E-05	3.12F-04	7.46E-04	1.13E-03	1.38E-03	1.516-03
		2 24	εз	17120.41	1	6120.07	1.6340	0.0303	0.0	2.43E-06	9.82E-05	8.14E-04	3.09E-03	7.53E-03
	3 (			771.00		6120.31	1.6339	0.0535	1.25E-03	1.09E-03	8.73E-04	6.87E-04	5.42E-04	4.31E-04
	6 3			6354+16	ì	6120.41	1.6339	0.0606	1.08E-04	1.38E-03	4.21E-03	7.42E-03	1.00E-02	1.178-02
	4 1		74	12032.87		6120.70	1.6338	0.0303	0.0	1.05E-06	1.255-05	4 • 96E-05	1 • 1 SE-0 4	1.98E-04
		44		7562.35		6120.76	1.6338	0.0303	3.44E-06	7.80E-05	3.18E-04	6.66E-04	1.01E-03	1.28E-03
	5 2		26	5431.39		6120.89	1.6337	0.0398	3.66E-05	2.99E-04	7.31E-04	1.13E-03	1.39E-03	1.52E-03.
		66		14255.63		6121.08	1.6337	0.0303	8.59E-08	4.865-05	9.90E-04	5.44E-03	1.57E-02	3-14E-02
	. 4		4	2132.50		6121.36	1.6336	0.0611	1.71E-04	2.88E-04	3.19E-04	3.06E-04	2 • 75E-04	2.40E-04
	5 2			7408.88		6121.60	1.6336	0.0303	4 - 1 4E-06	8.73E-05	3.43E-04	7.02E-04	1.05E-03	1+31E-03
		2 6		5528.43		6121.70	1.6335	0.0379	3.336-05	2.85E-04	7.14E-04	1.11E-03	1.39E-03	1.53E-03
		42		7258.90		6122.33	1.6334	0.0303	4.96E-06	9.73E-05	3.69E-04	7.39E-04	1.09E-03	1.35E-03
	5 2			5629.C4		6122.41	1.6333	0.0359	3.01E-05	2.70E-04	6.94E-04	1.10E-03	1.38E-03	1.536-03
464	5 2		40	7112.42		6122.95	1.6332	0.0303	5.90E-06	1.08E-04	3.95E-04	7.75E-04	1.12F-03	1.38F-03
Hz	5 2			5733.20	2	80.6816	1.6332	0.0340	2.71E-05	2.56E-04	6.73E-04	1.08E-03	1.37E-03	1.53E-03
	5 2			6969.43		6123.47	1.6331	0.0303	6.98E-06	1.195-04	4.22E-04	8.11E-04	1.16E-03	1.41E-03
	5 2			5840.91	2	6123.53	1.6330	0.0335	2-43E-05	2.42E-04	6.53E-04	1.07E-03	1.37E-03	1.54E-03
		3 3	_ 2	6361.64		6123.84	1.6330	0.0609	1.62E-04	2.076-03	6.36E-03	1.12E-02	1.52F-02	1.77E-02
		2 39		6829.95		6123.89	1.6329	0.0303	8.22E-06	1.316-04	4 • 4 9 6 - 0 4	@.46E-04	1.19E-03	1.44E-03
		32		5952-17		6123.93	1.6329	0.0331	2.17E-05	2.27E-04	6.316-04	1.05E-03		. 1.54E-03
	3 (			2984.30		6124.09	1.6329	0.0303	8.01E-03	2.03E-02	2.77F-02	3.00E-02	2.93E-02	2.72E-02
	5 8			6693.98		6124.21	1.6329	0.0303	9.61E-06	1.44E-04	4.77E-04	8.80E-04	1.22E-03	1.46E-03
	5 :			6066.57		6124.24	1.6329	0.0326	1.92E-05	2.13E-04	6.07E-04	1.02E-03	1.34E-03	1.54E-03
	5 2			6561.53		6124.42	1.6328	0.0308	1.12E-05	1.57E-04	5.04E-04	9.12E-04	1.25E-03	1.48E-03
		2 34		6185.32		6124.43	1.6328	0.0321	1.69E-05	1.99E-04	5+83E-04	1.00E-03	1.33E-03	1.53E-03
		36 35		6432.60		6124.53	1.6328	0.0312	1-29F-05	1.71E-04	5.31E-04	9.43E-04	1.28E-03	1.505-03
		2 35 2 14		6307.19		6124.53	1.6328	0.0317	1.48E-05	1.84E-04	5.57E-04	9.73E-04	1.31E-03	1.52E-03
		65		4712.73		6124.53	1.6328	0.0597	3.52F-03	2.04E-02	4.22E-02	5.86E-02	6.76E-02	. 7.06E-02
		74		14023.30		6124.58	1.6328	0.0303	1 • 1 7E-07	5.91E-05	1.14E-03	6.05E-03	1.705-02	3.36E-02
				11772.40 2117.93		6124.78 6125.30	1.6327	0.0303	0.0	1.31E-06	1.46E-05	5.61E-05	1.27E-04 2.09E-04	2.15E-04 1.83E-04
	4 ,	27		3686.17			1.6326	0.0609	1.32E-04 9.61E-03	2.21E-04	2.44E-04	2.33E-04		6.72E-02
		167		21011.81		6125.32 6125.32	1.6326	0.0379		3.41E-02	5.51E-02	6.61E-02	6.90E-02 8.00E-05	2.55E-04
		, E3		16821.19		6125.62	1.6326	0.0303	0.0	0.0	1.00E-06	1.458-05	3.48E-03	8.33E-03
		) 18		697.65			1.6325	0.0303	0.0	3-16E-06	1.19E-04	9.45E-04	5.40F-04	4.27E-04
		56		19004.32		6125.83 6126.59	1.6324 1.6322	0.0552 0.0303	1.33E-03 0.0	1.12E-03 2.09E-07	8.84E-04 1.33E-05	6.89E-04 1.45E-04	6.57E-04	1.82E-03
		3 4		6372.86		6127.16	1.6321	0.0503	2.15E-04	2.77E-03	8+52E-03	1.45E-04 1.50E-02	2.03E-02	2.38E-02
	6	3 64		13790.39		6127.16	1.6319	0.0303	1.595-07	7.18E-05	1.316-03	6.71E-03	1.85E-02	3.59E-02
		73		11515.21		6128.76	1.6317	0.0303	0.0	1.63E-06	1.726-05	6.348-05	1.40E-04	2.33E-04
		1 1		2107.00		6129.14	1.6316	0.0606	9.05E-05	1.50E-04	1.66E-04	1.58E-04	1.42E-04	1 • 23E-04
		2 13		4656.18		6129.76	1.6314	0.0604	3.59E-03	2.03E-02	4.145-02	5.71E-02	6.55F-02	6.81E-02
		3 5		6387.82		6130.37	1.6312	0.0614	2+67E-04	3.46E-03	1.076-02	1.89E-02	2.56E-02	2.99E-02
		2 69		14049.87		6130.68	1.6312	0.0303	0.0	5.14E-08	9.94E-07	5.28E-06	1.49E-05	2+94E-05
		2 62		16525.24		6131.05	1.6311	0.0303	0.0	4.10E-06	1 • 44E-04	1.10E-03	3.92E-03	9.19F-03
		3 63		13560.93		6131.23	1.6310	0.0303	2.145-07	8.67E-05	1.50F-03	7.43E-03	2.00E-02	3.83E-02
					-									

٧U	VL	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** INTEGRAT	ED ** ABSOR CM*G!	PTION ** CO	FFICIENT *	******
				ENERGY		CF-1	WICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
3	С	17	18	627.96	2	6131.25	1.6310	0.0568	1.41E-03	1.15E-03	8-90E-04	6.86E-04	5.34E-04	4.21E-04
3	ō	37	38	2835.80	1	6131.81	1.6308	0.0303	9.74F-03	2.30E-02	3.036-02	3.21E-02	3.10E-02	2.84F-C2
4	1	26	27	3580.03	1	6131.90	1.6308	0.0398	1.095-02	3.68E-02	5.80E-02	6.85E-02	7.09F-02	6.84E-02
4	1	72	71	11261.30	2	6132.63	1.6306	0.0303	0.0	2.02E-06	2.01E-05	7.14E-05	1.54E-04	2.52F-04
4	1	C	1	2099.72	2	6132.88	1.6306	0.0603	4.61E-05	7.62E-05	8.39E-05	8.008-05	7.17F-05	6+25E-05
6	3	ć	5	6406.52	1	6133.48	1.6304	0.0617	3.15E-04	4.12E-03	1.28E-02	2.27E-02	3.086-02	3.61E-02
4	1	95	94	18663.53	1	6133.52	1.6304	0.0303	0.0	2.82E-07	1.66E-05	1.71E-04	7.53E-04	2.04E-03
3	٥	106	105	20633.65	1	6133.53	1.6304	0.0303	0.0	0.0	1.28E-06	1.77E-05	9.38E-05	2.91F-04
6	Э.	62	61	13334.93	1	6134.38	1.6302	0.0303	2.88E-07	1.04E-04	1.71E-03	6.20E-03	2.16E-02	4.07F-02
5	2	12	13	4603.40	1	6134.88	1.6300	0.0610	3.64E-03	2.00E-02	4.03F-02	5.52E-02	6.30E-02	6.52F-02
3	0	88	87	13741.75	2	6136.25	1.6297	0.0303	0.0	6.76E-08	1.21E-06	6.18E-06	1.69E-05	3.27E-05
5	2	81	60	16232.57	1	6136.36	1.6296	0.0303	0.0	5.30E-06	1.74E-04	1.27E-03	4.41E-03	1.01E-02
4	1	71	70	11010.69	2	6136.39	1.6296	0.0303	0.0	2.51E-06	2.34E-05	8.03E-05	1.69E-04	2.72F-04
6	3	7	6	6428.95	1	6136.48	1.6296	0.0620	3.60E-04	4.76E-03	1.49E-02	2 . 64E-02	3.60E-02	4.22F-02
3	. 0	16	17	561.92	2	6136.57	1.6296	0.0585	1.48E-03	1-17E-03	8.91E-04	6.81E-04	5.265-04	4 • 13E-04
6	3	61	60	13112.37	1	6137.42	1.6293	0.0303	3.84E-07	1.25E-04	1.94E-03	9.04E-03	2.33E-02	4.33E-02
4	1	25	26	3477.63	1	6138.39	1.6291	0.0418	1.23E-02	3.96E-02	6.08E-02	7.08E-02	7.25E-02	6.95F-02
6	3	2	7	6455.12	1	6139.38	1.6288	0.0623	4.01E-04	5.37F-03	1.69E-02	3.01E-02	4.11E-02	4.83E-02
, 3	0	36	37	2691.03	1	6139.44	1.6288	0.0308	1.18E-02	2.59E-02	3.30E-02	3.43E-02	3.26E-02	2.96F-02
5	2	11	12	4554.37	1	6139.91	1.6287	0.0617	3.64E-03	1.96E-02	3.89E-02	5.29E-02	6.01E-02	6.21F-02
	1	7¢	69	10763.38	2	614C+05	1.6287	0.0303	0.0	3.09E-06	2.72E-05	9.01E-05	1.85E-04	2.92F-04
465	1	1	0	2096-07	2	6140.07	1.6286	0.0603	4.74E-05	7.82F-05	8.60E-05	8.20E-05	7.348-05	6.40F-05
- ,	1	94	93	18325.89	1	6140.33	1.6286	0.0303	0.0	3.80E-07	2.060-05	2.03E-04	8.63E-04	2.29E-03
6	3	60	59	12893.29	1	6140.35	1.6286	0.0303	5-10E-07	1.50F-04	2.20E-03	9.93E-03	2.51E-02 4.95E-03	4.59E-02 1.11E-02
. 5	2	. EC	79	15943.20	1	6141.56	1.6283	0.0303	0.0	6.84E-06	2.09E-04	1.465-03	1.10E-04	3.32E-04
3		105		20258.50	1	6141.62	1.6282	0.0303 0.0303	0.0	0.0	1.65E-06 1.48E-06	2.14E-05 7.20E-06	1.915-05	3.63E-05
3 <u></u> 3	0.	£7 15	86 16	13436•77 499•54	2 2	6141.72 6141.80	1.6282 1.6282	0.0303	0.0 1.54E-03	8.86F-08 1.18E-03	8.86E-04	6.71E-04	5.16E-04	4 • 03E-05
•	3	ç	8	6485.03	ī	6142.17	1.6281	0.0591	4.37E-04	5.94E-03	1.886-02	3.37E-02	4.61E-02	5.43E-02
6, 6	3	59	58	12677.69	i	6143.17	1.6278	0.0303	6.77E-07	1 • 79E~04	2.50E~03	1.09E-02	2.71E-02	4.88E-02
	ĭ	2	1	2099.72	2	6142.51	1.6277	0.0606	9.56E-05	1.58E-04	1.74E-04	1 • 66E-04	1.49E-04	1.30E-04
., 4 4	i	69	68	10519.39	2	6143.59	1.6277	0.0303	4.05E-08	3.80E-06	3-15E-05	1.01E-04	2.03E-04	3.14E-04
	. 1	24	25	3379.00	1	6144.78	1.6274	0.0437	1.38E-02	4.23E-02	6.35E-02	7.29E-02	7.40E-02	7.045-02
5	2	10	11	4509.11	1	6144.83	1.6274	0.0625	3.598-03	1.89E-02	3.72E-02	5.03E-02	5.69E-02	5.85E-02
6	3	10	9	6518.68	1	6144.85	1.6274	0.0624	4.68E-04	6.47E-03	2.06E-02	3.728-02	5.10E-02	6.02E-02
6	3	58	57	12465.57	1	6145.87	1.6271	0.0303	8.94E-07	2-146-04	2.84E-03	1.29E-02	2.92E-02	5.180-02
5	2	79	78	15657-13	1	6146.64	1.6269	0.0303	0.0	8.78E-06	2.50E-04	1.68E-03	5.54E-03	1.22F-02
4	1	3	2	2107.00	2	6146.86	1.6268	0.0609	1.44F-04	2.38E-04	2.63F-04	2.51E-04	2.25E-04	1.96E-04
3	. 0	14	15	440.81	2	6146.93	1.6268	0.0597	1.59E-03	1.18E-03	8.76F-04	6.58E-04	5.03E-04	3.91E-04
3	0	35	36	2550.01	1	6146.97	1.6268	0.0312	1.41E-02	2.91E-02	3.58E-02	3.65E-02	3.42E-02	3.08E-02
. 4	1	53	92	17991.41	1 .	6147.02	1.6268	0.0303	0.0	5.10E-07	2.555-05	2.39E-04	9.86E-04	2.56%-03
4	1	68	67	10278.73	2	6147.03	1.6268	0.0303	5.57E-08	4•65E-06	3.64E-05	1.13E-04	2.21E-04	3.37E-04
3	C	66	85	13134.97	2	6147.08	1.6268	0.0303	0.0	1.16E-07	1.80E-06	8.38E-06	2.16E-05	4.02E-05
6	3	11	10	6556.05	1	6147.43	1.6267	0.0625	4.94E-04	6.94E-03	2.23E-02	4.05E-02	5.57E-02	6.60E-02
6	3	57	56	12256.95	1	6148.45	1.6264	0.0303	1.18E-06	2.54E-04	3.21E-03	1.32E-02	3.14F-02	5.50F-02
3		1 C 4		19886.39	1	6149.59	1.6261	0.0303	0.0	0.0	2.106-06	2.59E-05	1.28E-04	3.79E-04
5	2	9	10	4467.62	1	6149.64	1.6261	0.0624	3.50E-03	1.81E-02	3.52E-02	4.73E-02	5-32E-02	5-46E-02
6	3	12	11	6597.16	1	6149.90	1.6260	0.0617	5.14E-04	7.36E-03	2.39E-02	4.36E-02	S0-3E0-9	7-16E-02
4	1	4	3	2117.93	2	615C.11	1.6260	0.0611	1.91E-04	3.196-04	3.52E-04	3.37E-04	3.02F-04 .	2.64E-04
4	1	67	66	10041-41	2	6150.37	1.6259	0.0303	7.61E-08	5.67E-06	4.196-05	1.25E-04	2.41E-04	3.61E-04
6	3	56	55	12051.84	1	6150.93	1.6258	0.0303	1.545-06	3.01E-04	3.62E-03	1.45E-02	3.37E-02	5.82E-02
, 4 , 5	1 2	23 78	24 77	3284.13	1	6151.07	1.6257	0.0457	1.54F-02 0.0	4.50F-02	6.60E-02 2.99E-04	7.47E-02 1.93E-03	7.51E-02 6.19F-03	7.11E-02 1.34E-02
5	2	, .	• 1	15374.38	1	6151.61	1.6256	0.0303	V.V	1.126-05	£ • 9 7 E = U 4	1 • 735-03	30195-03	: + 545-02

VU	٧L	JU	JL	LOWER STATE	,CODE	WAVE NUMBER	WAVE LENGTH	HALF	******	** INTEGRATE	D ** ABSOR		EFFICIENT *	****
				ENERGY		CP-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
3	٥	13	14	385.75	2	6151.97	1.6255	0.0604	1.62E-03	1.18E-03	8.59E-04	6 • 40E-04	4.87E-04	3.77E-04
6	3	13	12	6642.00	-	6152.26	1.6254	0.0610	5.27E-04	7.73E-03	2.54E-02	4.66E-02	6.46E-02	7.70E-02
3	ō	85	84	12836.35		6152.33	1.6254	0.0303	0.0	1.51E-07	2.18E-06	9.73E-06	2.44E-05	4.44E-05
4	1	5	4	2132.50		6153.26	1.6252	0.0614	2.37E-04	3.98E-04	4+41E-04	4 . 23E-04	3.80E-04	3.32E-04
6	3	55	54	11850.23		6153.29	1.6251	0.0303	2.00E-06	3.55E-04	4.06E-03	1.58E-02	3.61E-02	6.15E-02
4	1	66	65	9807.43		6 15 3 . 59	1.6251	0.0303	1.03E-07	6.89E-06	4.82E-05	1.39E-04	2.61E-04	3.86E-04
4	1	52	91	17660.10	1	6153.60	1.6251	0.0303	0.0	6.82E-07	3.14E-05	2.82E-04	1.12E-03	2.85E-03
5	2	8	9	4429.89	1	6154.36	1.6249	0.0624	3.36E-03	1.70F-02	3+28E-02	4.39E-02	4.93E-02	5.04E-02
3	Ō	34	35	2412.73	1	6154.40	1.6249	0.0317	1.696-02	3,25E-02	3.87Ė-02	3.87E-02	3.58E-02	3.19E-02
6	3	14	13	6690.57	1	6154.52	1.6248	0.0604	5.36E-04	8.03E-03	2.67E-02	4.93E-02	6.87E-02	8.218-02
6	3	54	53	11652.14	. 1	6155.54	1.6246	0.0303	2.58E-06	4 . 17E-04	4.55E-03	1.72E-02	3.86E-02	
4	1	6	5	2150.72	. 2	6156.32	1.6243	0.0617	2.80E-04	4.75E-04	5.29E-04	5.08E-04	4.58E-04	4.01E-04
5	2	77	76	15094.96	1	6156.45	1.6243	0.0303	0.0	1.43E-05	3.57E-04	2.21E-03	6.91E-03	1 • 47E-02
6	3	15	14	6742.87	1	6156.67	1.6243	0.0597	5.38E-04	8.27E-03	2.78E-02	5.18E-02	7.26E-02	8.71E-02
4	, 1	65	64	9576.80	2	6156.71	1.6242	0.0303	1.40E-07	8.34E-06	5.52E-05	1.54E-04	2.83E-04	4.12E-04
3	0	12	13	334.34	2	6156.91	1.6242	0.0610	1.64E-03	1.16E-03	8.36E-04	6 • 18E-04	4.68E-04	3.61E-04
4	1	22	23	3193.03	1	6157.25	1.6241	0.0476	1.70E-02	4.76E-02	6.82E-02	7.63E-02	7.61E-02	7.15E-02
3	0	103		19517.34		6157.44	1.6241	0.0303	0.0	0.0	2.68E-06	3.13E-05	1.50E-04	4.31E-04
3	0	84	63	12540.93		6157.47	1.6240	0.0303	0.0	1.956-07	2.63E-06	1.13E-05	2.75E-05	4.90E-05
6	3	53	52	11457.59		6157,67	1.6240	0.0303	3.31E-06	4.89E-04	5.09E-03	1.875-02	4 • 1 2E - 02	6.82E-02
6	3	16	15	6798.89		6158.72	1.6237	0.0591	5.35E-04	8.45E-03	2.88E-02	5.41E-02	7.62E-02	9.18E-02
5	2	7	8	4395•93		6158.97	1.6236	0.0623	3.16E-03	1.58E-02	3.02E-02	4.01E-02	4.49E-02	4.59E-02
4	1	7	6	2172.57		6159.27	1.6236	0.0620	3.21E-04	5.496-04	6.16E-04	5 • 93E-04	5.358-04	4.69E-04
6	3	52	51	11266.57		6159.70	1.6235	0.0303	4.23E-06	5.70E-04	5.675-03	2.02E-02	4.38E-02	7.16E-02
4	1	64	63	9349.53		6159.72	1.6235	0.0303	1.88E-07	1.01E-05	6.31E-05	1.715-04	3.07E-04	4.39E-04
4	1	91	90	17331.98		6160.05	1.6234	0.0303	0.0	9.08E-07	3.87E-05	3.31E-04	1.28E-03	3•17E-03
6	3	17	16	6858.63		6160.65	1.6232	0.0585	5 • 27E-04	8.57E-03	2.96E-02	5.61E-02	7.95E-02	
5	2	76	75	14818-89		6161.19	1.6231	0.0303	0.0	1.82E-05	4 - 25E - 04	2.53E-03	7.69E-03	1.60E-02
6	3	€1	50	11079.09		6161-61	1.6230	0.0303	5.38E-06	6.62E-04	6.29E-03	2-19E-02	4.65E-02	7.51E-02
3	0	33	34	2279.20		6161.72	1.6229	0.0321	2.00E-02	3.62E-02	4.18E-02	4.09E-02	3.74E-02	3.30F-02
3 4	0	1 1 E	12 7	286.60		6161.75	1.6229	0.0617	1.63E-03	1.13E-03	8.07E-04	5.93E-04	4.47E-04	3.44E-04
	3	18	17	2198.07		6162.12	1.6228	0.0623	3.58E-04	6.20E-04	6.99E-04	6.76E-04	6.12E-04	5.37E-04
.6. 3	0	23	82	6922.10 12248.70		6162.48	1.6227	0.0568	5.15E-04	8.63E-03	3.03E-02	5.79E-02	8.25F-02	1.00E-01
4	1	63	62			6162.50	1.6227	0.0303	0.0	2.53F-07	3.17E-06	1.30E-05	3.09E-05	5.40E-05
4	1	21	22	9125.64 3105.69		6162°63 6163•33	1.6227 1.6225	0.0303 0.0496	2.52E-07 1.86E-02	1.21E-05 5.00E-02	7.18E-05	1 -88E-04	3.31E-04	4.67E-04
6	3	50	49	10895.17		6163.40	1.6225	0.0303	6.80E-06	7.66E-04	7.03E-02 6.97E-03	7.765-02	7.67E-02 4.93E-02	7.17E-02
5	2	-6	7	4365.74		6163.47	1.6225	0.0503	2.92E-03	1.43E-02	2.73E-02	2.36E-02 3.61E-02	4.02E-02	7.85E-02 4.10E-02
6	3	19	18	6989.28		6164.20	1.6223	0.0552	4.99E-04	8.63E~03	3.08E-02	5.94E-02	8.53E-02	1.04E-01
4	1	ģ	e	2227.21		6164.88	1.6223	0.0624	3.91E-04	6.87E-04	7.80E-04	7.57E-04	6.87E-04	6.04E-04
6	3	45	48	10714.80		6165.09	1.6220	0.0303	8.54E-06	8.82E-04	7.69E-03	2.54E-02	5.21E-02	8.20E-02
3		102		19151.35		6165.17	1.6220	0.0303	0.0	5.16E-08	3.40E-06	3.78E-05	1.74E-04	4.89F-04
4	1	62	61	8905.12		6165.43	1.6219	0.0303	3.35E-07	1.45E-05	8.16E-05	2.07E-04	3.57E-04	4.96E-04
5	2	75	74	14546.17		6165.80	1.6219	0.0303	0.0	2.31E-05	5.04E-04	2.88E-03	8.545-03	1.75E-02
6	3	20	19	7060.17		6165.82	1.6218	0.0535	4.79E-04	8.57E-03	3.11E-02	6.07E-02	8.76E-02	1.07E-01
4	1	90	29	17007.07		6166.39	1.6217	0.0303	0.0	1-21E-06	4.75E-05	3.88E-04	1.45E-03	3.526-03
3	0	1 G	11	242.53		6166.50	1.6217	0.0625	1.61E-03	1.09E-03	7.71E-04	5.63E-04	4.22E-04	3-24E-04
6	3	48	47	40538.00	1	6166.66	1.6216	0.0303	1.07E-05	1.01E-03	8.46E-03	2.72E-02	5+49E-02	8.54E-02
6	3	21	20	7134.78	Ţ	6167.32	1.6215	0.0515	4.56E-04	8.46E-03	3.13E-02	6.16E-02	8-97E-02	1 - 1 1 E-0 1
3	O	٤2	81	11959.70	2	6167.43	1.6214	0.0303	0.0	3.26E-07	3.82E-06	1.50E-05	3.47E-05	5.95E-05
_,4	1	10	9	2259.98		6167.53	1.6214	0.0624	4.19E-04	7.48F-04	8.56E-04	8+36E-04	7.61E-04	6.70E-04
	2	5	6	4239.32		6167.87	1.6213	0.0617	2.62E-03	1.275-02	2.40E-02	3.17E-02	3.53E-02	3.59E-02
4	1	61	60	8687.99	2	6168.12	1.6212	0.0303	4.44E-07	1.73E-05	9.246-05	2.27E-04	3.83F-04	5.25F-04

	VU	٧Ł	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE Length	HALF WIDTH	******	** INTEGRATE	ED ** ABSORE		FFICIENT *	*****
					ENERGY		Ch-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
	6	3	47	46	10364.77	1	6168.12	1.6212	0.0303	1.33E-05	1.16E-03	9.28E-03	2.91E-02	5.78E-02	8.88E-02
	6	3	22	21	7213.10	ī	6168.72	1.6211	0.0496	4.31E-04	8.31E-03	3.13E-02	6.23E-02	9.14E-02	1.13E-01
	3	o	32	23	2149.44	1	6168.95	1.6210	0.0326	2.36E-02	4.01E-02	4.49E-02	4.32F-02	3.89E-02	3.41E-02
	4	1	20	21	3022.13	1	6169+31	1.6209	0.0515	2.03E-02	5.23E-02	7.20E-02	7.86E-02	7.71E-02	7-16E-02
	6	3	46	45	10195-12	1	6169.47	1.6209	0.0303	1.64E-05	1.32E-03	1.01E-02	3.11E-02	6.06E-02	9-21E-02
	6	3	23	22	7295.12	1	6170.01	1.6207	0.0476	4.05E-04	8.11E-03	3.118-02	6.28E-02	9.28E-02	1.16E-01
	4	1	11	10	2296.39	2	6170.09	1.6207	0.0625	4.43E-04	8.04E-04	9.29E-04	9-11E-04	8.32E-04	7.35E-04
	5	2	74	73	14276.81	1	6170.30	1.6207	0.0303	5.105-08	2.91E-05	5.96E-04	3.28E-03	9 * 47E-03	1.90E-02
	4	1	60	59	8474.25	2	6170.71	1.6206	0.0303	5.84E-07	2.05E-05	1.04E-04	2.49E-04	4.11E-04	5.55E-04
	6	3	45	44	10029.06	1	6170.71	1.6206	0.0303	2.01E-05	1.50E-03	1.11E-02	3.31E-02	6.35E-02	9.54E-02
	3	G	ç	10	202.12	2	6171.15	. 1.6204	0.0524	1.57E-03	1.04E-03	7.29E-04	5.29E-04	3.95E-04	3.035-04
	6	3	24	23	7380.84	1	6171.19	1.6204	0.0457	3.77E-04	7.87E-03	3.08E-02	6-30E-02	9.39E-02	1.18E-01
	6	3	44	43	9866.59	1	6171.84	1.6203	0.0303	2.46E-05	1.69E-03	1.20E-02	3.51E-02	6.63F-02	9.868-02
	E	2	4	5	4316.68	1	6172.17	1.6202	0.0614	2.285-03	1.09E-02	2.05E-02	2.70E-02	3.00E-02	3.04E-02
	3	_ 0	81	80	11673.92	2	6172.24	1.6202	0.0303	0.0	4.19E-07	4.58E-06	1.73E-05	3.89E-05	6.53E~05
	. 6	3	25	24	7470.27	1	6172.26	1.6202	0.0437	3.49E-04	7.60E-03	3.04E-02	6.29E-02	9.46F-02	1.19E-01
	· 4	1	12	11	2336.44	2	6172.55	1.6201	0.0617	4.61E-04	8.54E-04	9.96E-04	9.82E-04	9.01E-04	7.98E-04
	4	1	٤۶	88	16685.38	1	6172.61	1.6201	0.0303	0.0	1.61E-06	5.86E-05	4.57E-04	1.66E-03	3.94E-03
	3	0	1 C 1	100	18788.44	1 1	6172.78	1.6200	0.0303	0.0	7.14E-08	4.31E~06	4.55E-05	2.02E-04	5.54E-04
	6	3	43	42	9707.73	1	6172.86	1.6200	0.0303	24986-05	1.90F-03	1.30E-02	3.71E-02	6.91E-02	1.025-01
	_ 4	1	59	58	8263.93	2	6173.19	1.6199	0.0303	7.70E-07	2.45E-05	1.18E-04	2.73E-04	4.43E-04	5.89E-04
467	6	3	26	25	7563.39	1	6173.23	1.6199	0.0418	3.20E-04	7.30E-03	2.996-02	6.26E-02	9.50E-02	1.21E-01
-3	6	3	42	41	9552.46	1	6173.76	1.6198	0.0303	3.60E-05	2.13E-03	1.40E-02	3.92E-02	7.19E-02	1.05F-01
	6	3	27	26	7660.20	1	6174.08	1.6197	0.0398	2.92E-04	6.97E-03	2-925-02	6.21E-02	9.50E-02	1.21F-01
	6	3	41	40	9400.82	1	6174.55	1.6196	0.0303	4.31E-05	2.37E-03	1.51E-02	4 • 1 2E-02	7.46E-02	1.07E~01
	5	2	73	72	14010.82	1	6174.69	1.6195	0.0303	7.29E-08	3.66E-05	7.03E-04	3.73E-03	1.05E-02	2.07E-02
	.6	, З	28	27	7760.70	1	6174.83	1.6195	0.0379	2.65E-04	6.63E-03	2.84E-02	6.14E-02	9.48E-02	1.55E-01
	4	1	13	12	2380.12	2	6174.90	1.6195	0.0610	4.75E-04	8.98E-04	1.06E-03	1.05E-03	9•67E-04	8.59E-04
	4	i	15	20	2942.34	1	6175.19	1.6194	0.0535	2.198-02	5.43E-02	7.34E-02	7.92E-02	7.71E-02	7.13E-02
	6	3	40	39	9252.79	1	6175.24	1.6194	0.0303	5.14E-05	2.64E-03	1.62E-02	4.33E-02	7.71E-02	1.10E-01
	6	3	29	28	7864.89	1	6175.46	1.6193	0.0359	2.38E-04	6.27E-03	2.76E-02	6.04E-02	9.43E-02	1.225-01
	4	1	58	57	8057.01	2	6175.56	1.6193	0.0303	1.01E-06	2.905-05	1.33F-04	3.00E-04	4.76E-04	6.24E-04
	. 3	0	ε	9	165.38	2	6175.70	1.6192	0.0624	1.50E-03	9.826-04	6.80E-04	4.91E-04	3.66E-04	2.79E-04
	6	3	39	38	9108.38	1	6175.81	1.6192	0.0303	6.10E-05	2.916-03	1.73E-02	4.53E-02	7.96E-02	1.12E-01
	6	3	30	29	7972.75	1	6175.99	1.6192	0.0340	2 • 1 3E-0 4	5.90E-03	2.66E-02	5.93E-02	9.35E-02	1.22E-01
	3	0	31	32	2023.43	1	6176.08	1.6192	0.0331	2.77E-02	4.43E-02	4.80E-02	4.54E-02	4.04E-02	3.51E-02
	6	3	3.5	37	8967.61	1	6176.27	1.6191	0.0303	7.18E-05	3.21E-03	1.84E-02	4.72E-02	8.19E-02	1 • 14 = - 0 1
	5	2	3	- 4	4297.80	1	6176.37	1.6191	0.0611	1.89E-03	8.98E-03	1.68E-02	2.20E-0S	2.44E-02	2.48E-02
	٥.	3	31	30	8084.29	1	6176.41	1.6191	0.0335	1.90E-04	5.56E-03	2.58E-02	5.83E-02	9.29E-02	1.22E-01
	6	3	27	36	8830.47	1	6176.62	1.6190	0.0308	8-41E-05	3.52E-03	1.95E-02	4 • 91 E-02	8.41E-02	1.16E-01
	6	3	32	31	8199.50	1	6176.72	1.6190	0.0331	1.69E-04	5.21E-03	2.48E-02	5.71E-02	9.20E-02	1.226-01
	6	3	36	35	8696.97	1	6176.86	1.6189	0.0312	9.79E-05	3.84E-03	2.06E-02	5.09E-02	8.61F-02	1 • 18E-01
	6	3	23	32	8318.38	1	6176.92	1.6189	0.0326	1.49E-04	4.86E-03	2.38E-02	5.57E-02	9.09E-02	1.21F-01
	3	0	25 35	79 34	11391-37	2	6176.95	1.6189	0.0303	0.0	5.36E-07	5.48E-06	1 • 99E-05	4 • 35F = 05	7.16E-05
	6	3	34	33	8567.12	1	6176.99	1.6189	0.0317	1 - 13E-04	4-17E-03	2.17E-02	5.26E-02	8.79E-02	1.19F-01
	4	1	14	13	8440.93	1 2	6177.01	1.6189	0.0321	1.30E-04	4.51E-03	2.28E-02	5.43E-02	8.95E-02	1.21F-01
	4	1	57	56	2427.44	2	6177-16	1.6189	0.0604	4.83F-04	9.34E-04	1.115-03	1 • 11E-03	1.03E-03	9-185-04
	4	1	88	20	7853.51	1	6177.83	1.6187	0.0303	1.32E-06	3.43E-05	1.5CE-04	3.28E-04	5.11E-04	6-605-04
	5	2	72	71	16366.91 13748.23	1	6178.71 6178.96	1.6185 1.6184	0.0303	0.0	2.14E-06	7.22E-05	5.37E-04	1.90E-03	4.40F-03
	4	1	15	14	2478.38	2			0.0303	1 • 0 4 E - 0 7 4 • 8 7 E - 0 4	4.58E-05	8.26E-04	4.22E-03	1.16E-02	2.24E-02
	4	1	56	55	7653.44	2	6179.32 6180.00	1.6183	0.0597		9.64E-04 4.05E-05	1.16E-03	1 • 17E-03	1.09E-03	9.74E-04
	3	ó	7	55 8	132-31		6180.16	1.6181 1.6181	0.0303 0.0623	1.71E-06 1.41F-03	9.10E-04	1.69E-04 6.25E-04	3.58E-04 4.49E-04	5.47E-04 3.33E-04	6.97E-04 2.54E-04
	-	•	•		175471	-	. 4,200,10	1.0101	0.0023	1 4416-03	31 1 VG-U4	J#6J6-04	~ • <del>~</del> 7G=V4	J#JJG=74	C+

٧U	٧L	JU	JŁ	LCWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF WIDTH	******	** ÎNTEGRAT	ED ** ABSORI		EFFICIENT *	****
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
3	С	100	99	18428.62	1	6180.27	1.6181	0.0303	0.0	9.84E~08	5.45E-06	5.46E-05	2.35E-04	6.27E-04
5	2	2	3	4282.70	ı	6180.46	1.6180	0.0609	1.46E-03	6.89E-03	1.29E-02	1.68E-02	1.86E-02	1.89E-02
4	1	18	19	2866.33	1	6180.97	1.6179	0.0552	2.34E-02	5.61F-02	7.45E-02	7.94E-02	7.68E-02	7.06E-02
4	1	16	15	2532.96	2	6181.38	1.6178	0.0591	4.85F-04	9.87E-04	1.216-03	1.22E-03	1.14E-03	1.03E-03
3	0	75	78	11112.08	2	6181.54	1.6177	0.0303	0.0	6.83E-07	6.54E-06	2.28E-05	4.85E-05	7.84E-05
4	1	ES	54	7456.80	2	6182.06	1.6176	E0E0.0	2.20E-06	4.75E-05	1.89E-04	3.89E-04	5.84E-04	7.35E-04
3	0	3.0	15	1901-19	1	6183.11	1.6173	0.0335	3.22E-02	4.86E-02	5.12E-02	4.75E-02	4.19E-02	3.60E-02
5	2	71	70	13489.02	1	6183.11	1.6173	0.0303	1.46E-07	5.72F-05	9.69E-04	4.77E-03	1.28E-02	2.43E-02
4	1	17	16	2591.16	2	6183.33	1.6173	0.0585	4.79E-04	1.00E-03	1.246-03	1.27E-03	1.20E-03	1.08E-03
4	1	54	53	7263.61	2	6184.01	1.6171	0.0303	2.82E-06	5.55E-05	2 • 1 1E-04	4.23E-04	6.22E-04	7.73E-04
5	2	1	2	4271.38	1	6184.44	1.6170	0.0606	9.98E-04	4.69E-03	8.71E-03	1.14E-02	1.265-02	1.27E-02
3	0	E	7	102.91	2	6184.52	1.6169	0.0620	1.30E-03	8.27E-04	5.64E-04	4 . 04E-04	2.99E-04	2.27E-04
4	1	87	86	16051.69	1	6184.69	1.6169	0.0303	0.0	2.83E-06	8.86E-05	6.30E-04	2.16E-03	4.90E-03
4	2	18	17	2652.99	2	6185.19	1.6168	0.0568	4.69E-04	1.01E-03	1.27E-03	1.31E-03	1.24E-03	1.12E-03
.4	1	53	·52	7073.87	2	6185.85	1.6166	0.0303	3.60E-06	6.47E-05	2.35E-04	4 - 58E-04	6-62E-04	8.118-04
3	٥	7€	77	1083ۥ05	2	6186.03	1.6165	0.0303	0.0	8.69E-07	7.78E-06	2 • 61 E-05	5.40E-05	8.57E-05
4	1	17	18	2794.11	1	6186.65	1.6164	0.0568	2.49E-02	5•76E-02	7.51E-02	7.93E-02	7.61E-02	6.96F-02
4	1	19	18	2718.44		6186.94	1.6163	0.0552	4.56E-04	1.01E-03	1.29E-03	1.35E-03	1.28E-03	1.17E-03
5	2	7 C	69	13233.23	1	6187.15	1.6163	0.0303	2.06E-07	7.11E-05	1.13E-03	5.37E-03	1.406-02	2.63E-02
4	1	52	51	6887.58	2	6187.60	1.6161	0.0303	4.57E-06	7.51E-05	2.61E-04	4 • 95E-04	7+02E-04	8.50E-04
3	0	55	98	18071.92	1	6187.65	1.6161	0.0303	0.0	1.35E-07	6.88E-06	6.54E-05	2:726-04	7.09E-04
£	2	С	1	4263.83	1	6188.32	1.6159	0.0603	5.09E-04	2.38E-03	4.42E-03	5.76E-03	6:37E-03	6.45E~03
4	1	20	19	2787.51	2	6188.60	1.6159	0.0535	4.39E-04	1.01E-03	1.31E-03	1.38E-03	1.32E-03	1.21E-03
3	0	5	6	77.19	2	6188.78	1.6158	0.0617	1.17E-03	7:33E-04	4.97E-04	3.54E-04	2.628-04	1.99E-04
4	1	51	50	6704.76	2	6189.23	1.6157	0.0303	5.77E-06	8.68E-05	2.88E-04	5.33E-04	7.44E-04	8.89E-04
3	0	29	30	1782.72	1	6190.03	1.6155	0.0340	3.736-02	5.31E-02	5.438-02	4.96E-02	4.32E-02	3.69E-02
4.	1	21	20	2860.19	2	6190.15	1.6155	0.0515	4.19E-04	9.98E-04	1.325-03	1.40E-03	1.35E-93	1.24E-03
3	0	77	76	10563.28	2	6190.41	1.6154	0.0303	0.0	1-10E-06	9.23E-06	2.97E-05	6.01E-05	9.35E-05
4.	1	66	85	15739.73	1	6190.56	1.6154	0.0303	0.0	3.73E-06	1.08E-04	7.38E-04	2.45E-03	5.45E-03
4	1	50	49	6525-41	2	6190.77	1.6153	0.0303	7.24E-06	9•99E~05	3.18E-04	5.73E-04	7.86E-04	9.28E-04
5	2	69	68	12980.85	1	6191.07	1.6152	0.0303	2.88E-07	8.81E-05	1.32E-03	6.04E-03	1.54F-02	2.84E-02
4	1	22	21	2936.50	2	6191.61	1.6151	0.0496	3.98E~04	9.82E-04	1.32E-03	1.42E-03	1.38E-03	1.28E-03
4	1	45	48	6349.53	2	6192.19	1.6149	0.0303	9.04E-06	1 • 15E-04	3.50E-04	6.15E-04		, 9∎67E-04
4	1	16	17	2725.67	1	6192.22	1.6149	0.0585	2.62E-02	5.86E-02	7.53E-02	7.87E-02	7.50E-02	6.84E-02
3	0	4	5	55.14	2	6192.95	1.6147	0.0614	1.026-03	6.30E~04	4.25E-04	3.02E-04	2.23E-04	1.69E-04
4	1	23	22	3016.41	2	6192.96	1.6147	0.0476	3.75E-04	9.61E-04	1.32F-03	1 • 43E-03	1.40E-03	1.30E-03
4	1	48 24	47	6177.14	2	6193.52	1.6146	0.0303	1 +12E-05	1.31E-04	3.84E-04	6.58E-04	8.72E-04	1.01E-03
			23	3099.94	2	6194.21	1.6144	0.0457	3.50E-04	9.35E-04	1.31E-03	1.44E-03	1.42E-03	1.33E-03
.3	0	, 76	75	10293.79	2	6194.68	1.6143	0.0303	0.0	1.39E~06	1.09E-05	3.39E-05	6.66E-05	1.02E-04
4 5	1 2	47 68	46 67	6008.24	2	6194.73	1.6143	0.0303	1.38E-05	1 - 49E-04	4 • 1 90 - 0 4	7.02E-04	9.15E-04	1.04E-03
3	0	58	97	12731.90	1	6194.88	1.6142	0.0303	4.00E-07	1.09E-04	1.54E-03	6.78E-03	1.69E-02	
-3 -4	1			17718.34	1	6194.90	1.6142	0.0303	0.0	1.85E-07	8.65E-06	7.82E-05	3.14E-04	8.00E-04
5	2	25 1	24 0	3187.07 4260.05	2	6195.36	1.6141	0.0437	3.25E-04	9.05E-04	1.29E-03	1.44E-03	1.44E-03	1.35E-03
4	1		_		1	6195.77	1.6140	0.0603	5.23E-04	2.44E-03	4.53E-03	5.90E-03	6.52E-03	6.60E-03
4	1	46 85	45	5842.84	2	6195.85	1.6140	0.0303	1.705-05	1+69E-04	4.57F-04	7.46E-04	9.58E~04	1.08E-03
4	1	26	64 25	15431.03	1	6196.31	1.6139	0.0303	0.0	4.90E-06	1.32E-04	8.62E-04	2.78E-03	6.05E-03
4	1	45	44	3277.80	2	6196.41	1.6138	0.0418	3.00E-04	8.71E-04	1.27E-03	1 • 44E-03	1.445-03	1.36E-03
3	0	28	29	5680.94	2	6196.B6	1.6137	0.0303	2.07E-05	1.91E-04	4.96E-04	7.92E-04	1.00E-03	1.12E-03
3	0	3 2	4	1668.03	1	6196.86	1.6137	0.0359	4.30E-02	5.80F-02	5.77E-02	5.18E-02	4.47E-02	3.79E-02
4	1	27	26	36.76	2	6197.01	1.6137	0.0611	8.43E-04	5-18F-04	3.48E-04	2.46E-04	1.81E-04	1.37E-04
4	1	15	16	3372.13		6197.35	1.6136	0.0398	2.74E-04	8.34E-04	1.25E-03	1.43E-03	1.45E-03	1.38E-03
4	1	44	43	2661.01 5522.55	1 2	6197.69 6197.76	1.6135	0.0591	2.73E-02	5.93E-02	7.50E-02	7.77E-02	7.36E-02	6.68E-02
7	•	~~	7.5	22-33	-	3471610	1.6135	0.0303	2.51E-05	2.15E-04	5.376-04	8.38E-04	1.04E-03	1.15E-03

VU VL	STATE NUMBER LENGTH WIDTH						******** INTEGRATED ** ABSORPTION ** COEFFICIENT *******  CM*GM-1						
			ENERGY		C P - 1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
						•							
4 1	28	27	3470.06	2	6198.20	1.6134	0.0379	2.49E-C4	7.95E-04	1.22E-03	1-41E-03	1.45E-03	1.38E~03
4 1	43	42	5367.68	2	6198.56	1.6133	0.0303	3.03E-05	2.40E-04	5.80E-04	8.85E-04	1.09E-03	1.18E-03
5.2,	67	66	12486.39	1	6198.58	1.6133	0.0303	5.53E-07	1.34E-04	1.78E-03	7.598-03	1.85E-02	3.285-02
3 0	75	74	10027.60	2	6198.84	1.6132	0.0303	0.0	1.75E-06	1.29E-05	3.85E-05	7.38E-05	1 - 1 1E-04
4 1	29	26	3571.58	2	6198.94	1 • 6132	0.0359	2.25E-04	7.54F-04	1.185-03	1.39E-03	1.44E-03	1.39E-03
4 1	42	41	5216.33	2	6199.26	1.6131	0.0303	3.64E-05	2.68E-04	6.24E-04	9.31E-04	1 • 1 3E - 0 3	1.22E-03
5 2	2	1	4263.83	1	6199.33	1.6131	0.0606	1.05E-03	4.93E-03	9.15E-03	1.19E-02	1.32E-02	1.34E-02
4 1	30	29	3676.69	2	6199.58	1.6130	0.0340	2.02E-04	7.12E-04	1.15E-03	1.37E-03	1.43E-03	1.39E-03
41	41	.40	5068.50	2	6199.86	1.6129	0.0303	4.34E-05	2.98E-04	6.69E-04	9.77E-04	1.17E-03	1.256-03
4 1	31	30	3785.38	2	6200.12	1.6129	0.0335	1.81E-04	6.73E-04	1.11E-03	1.35E-03	1 -42E-03	1.39E-03
4 1	40	29	4924.21	2	6200.35	1.6128	0.0303	5.15E-05	3.29E-04	7-15E-04	1.02E-03	1.20E-03	1.27E-03
	32 39	31 38	3897.66	2	6200.55	1.6128	0.0331	1.62E-04	6.33E-04	1 - 07E-03	1 - 33E-03	1.41E-03	1.39E-03
- 4 1 4 1	33	32	4783.45 4013.51	2	6200.73	1.6127	0.0303	6.06E-05	3.63E-04	7.61E-04	1.07E-03	1.24E-03	1,30E-03
	2	3_	. 22.06	2	6200.89 6200.98	1.6127	0.0326	1.43E-04	5.930-04	1.036-03	1.306-03	1.40E-03	1.39E-03
30. 4 1	38	37	4646.24	2	6201.02	1.6126 1.6126	0.0609 0.0303	6.51E-04 7.10E-05	3.97E-04 3.98E-04	2.66E-04 8.08E-04	1.88E-04	1.38E-04	1.05E-04
۸ ۱	34	33	4132.93	2	6201.12	1.6156	0.0303	1.26E-04	5.52E~04	9.90E-04	1.11E-03 1.27E-03	1.27E-03 1.38E-03	1.32E-03
4 1	37	36	4512.58	2	6201.20	1.6126	0.0321	8 • 27E-05	4.35F-04	8.55E-04	1.27E-03	1.30E-03	1.38E-03 1.34E-03
Δ 1	35	34	4255.91	2	6201.25	1.6126	0.0317	1 • 1 0E-04	5.12E-04	9.46E-04	1 • 23E-03	1.36E-03	1.37E-03
4 1	36	35	4382.47	2	6201.27	1.6126	0.0312	9.58E-05	4.73E-04	9.01E-04	1 • 19E-03	1.33E-03	1.36E-03
	84	83	15125.61	ī	6201.94	1.6124	0.0303	0.0	6.43E-06	1.61E-04	1.00E-03	3.15E-03	6.70E-03
3 o 2	57	96	1.7367.91	ī	6202.03	1.6124	0.0303	0.0	2.52E-07	1.09E-05	9.33E-05	3.62E-04	9.00E-04
69 5 2	66	65	12244.32	ī	6202.16	1.6123	0.0303	7.61F-07	1.64E-04	2.06E-03	8.47E-03	2.01E-02	3.52E-02
5 2	Э	2	4271.38	1	6202.79	1.6122	0.0609	1.586-03	7.44F-03	1.38E-02	1.815-02	2.00E-02	2.02E-02
. 3 0	74	73	9764.71	2	6202.90	1.6121	0.0303	0.0	2.19E-06	1.52E-05	4.36E-05	8 • 15E-05	1.20E-04 .
4 1	14	15	2600.15	1	6203.06	1.6121	0.0597	2.83E-02	5.96F-02	7.42E-02	7.62E-02	7.18F-02	6.49E-02
Q	27	28	1557-12	1	6203.59	1.6120	0.0379	4.93E-02	6.30E-02	6-11E-02	5.40E-02	4.60E-02	3.87E-02
З 0	1	2	11.03	2	6204.86	1.6116	0.0606	4.45E-04	2.70E-04	1.80E-04	1.27E-04	9.35E-05	7.07E-05
_ 5, 2	65	64	12005.71	1	6205.62	1.6114	0.0303	1.04E-06	2.00E-04	2.37E-03	9.43E-03	2 • 19E-02	3.77E-02
5 2	4	3	4282.70	1	6206.15	1.6113	0.0611	2.106-03	9.94E-03	1.85E-02	2.42E-02	2.68E-02	2.72E-02
э о	73	72	9505.12	2	6206.84	1.6111	0.0303	4.75E-08	2.745-06	1.788-05	4 • 93E-05	8.99E-05	1.30E-04
4 1	23	82	14823.48	1	6207.46	1.6110	0.0303	0.0	8.39E-06	1.96E-04	1.17E~03	3.55E-03	7.42E-03
4 <u> </u>	13	14	2543.68	1	6208.32	1.6107	0.0604	2.89E-02	5.93E-02	7.29E-02	7.42E-02	6.96E-02,	6.26E-02.
3 0	C	1	3.68	2	6208.63	1.6107	0.0603	2.27E-04	1.37E-04	9.15E-05	6 • 45E-05	4.73E-05	3.58E-05
5 2	64	63	11770.57	1	6208.97	1.6106	0.0303	1.42E-06	2.43E-04	2.73E-03	1.05E-02	2.38E-02	4.03E-02
3 0	96	95	17020-62	1	6209.05	1.6106	0.0303	0.0	3.43E-07	1.36E-05	1 • 1 1 E - 04	4 • 1 7E-04	1.01F~03
5 2 3 0	5 26	4 27	4297.80	1	6209.39	1.6105	0.0614	2.606-03	1.24F-02	5.35E-05	3.04E-02	3.37E-02	3.42E-02
3 0	72	71	1449.99 9248.86	5	6210.21	1.6103	0.0398	5.61E-02	6.81E-02	6.44E-02	5.60E-02	4.73E-02	3.95E-02
5 2	63	62	11538.91	1	6210.68 6212.21	1.6101 1.6097	0.0303 0.0303	6.69E-08	3.41E-06	2.08E-05	5.56E-05	9.90E-05	1 • 4 1E~04
5 2	€	5	4316.68	1	6212.54	1.6096	0.0503	1.92E-06 3.08E-03	2.94E-04 1.48E-02	3.12E-03 2.78E-02	1.16E-02	2.58E-02	4.30E-02
4 1	82	81	14524.67	1	6212.86	1.6096	0.0303	0.0	1.09E-05	2.37E-04	3.65E-02 1.36E-03	4.06E-02 4.01E-03	4.13E-02 8.20E-03
4 1	12	13	2489.60	1	6213.48	1.6094	0.0610	2.93E-02	5.85E-02	7-10E-02	7.18E-02	6.69E-02	6.00E-02
3 0	71	70	8995.93	ż	6214.42	1.6092	0.0303	9.36E-08	4.23E-06	2.43E-05	6.26E-05	1.09E-04	1.52E-04
5_ , 2	62	61	11310.73	1	6215.33	1.6089	0.0303	2.58E-06	3.55E-04	3.57E-03	1.28E-02	2.79E-02	4.58E-02
5 2	7	6	4339.32	ī	6215.57	1.6089	0.0620	3.52E-03	1.71E-02	3.23E-02	4 • 26E-02	4.74E-02	4.83E-02
3 0	1	0	-0.0	2	6215.88	1.6088	0.0603	2.33E-04	1.41E-04	9.38E-05	6.62E-05	4.85E-05	3.66E-05
3 0	95	94	16676.52	1	6215.95	1.6088	0.0303	0.0	4.65E-07	1.69E-05	1.32E-04	4.79E-04	1.14E-03
3 0	25	26	1346.66	1	6216.74	1.6086	0.0418	6.345-02	7.33E-02	6.76E-02	5.80E-02	4.84E-02	4.02E-02
3 0	70	69	8746.33	2	6218.04	1.6082	0.0303	1.30E-07	5.22E-06	2.83E-05	7.03E-05		1.64E-04
.41	<b>e</b> 1	,80	14229.17	1	6218.14	1.6082	0.0303	0.0	1.426-05	2.87E-04	1.57E-03	4.51E-03	9.04E-03
5 2	€1	60	11086.05	1	6218.34	1.6081	0.0303	3.46E-06	4.26E-04	4.06E-03	1 .42E-02	3.01E-02	4.86E-02
5 2	8	7	4365.74	1	6218.51	1.6081	0.0623	3.92E-03	1.93E-02	3.67E-02	4.85E-02	5.42E-02	5.53E-02

	LCWER	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	*****	k≠ ÍNTEGRATE	D ** ABSORF		EFFICIENT *:	*****
	ENERGY		CN-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
4 . 1 11 12		1	6218.54	1.6081	0.0617	2.93E-02	5.72E-02	6.86E-02	6.89E-02	6.39E-02	5.71E-02
3 0 2 1		2	6219.36	1.6079	0.0606	4.71E-04	2.85E-04	1.90E-04	1.34E-04	9.82E-05	7.42E-05
52_60 59		1	6221.24	1.6074	0.0303	4.60E-06	.5.11E-04	4.61E-03	1.56E-02	3.24E-02	5.16E-02
5 2 9 6		1	6221.33	1.6074	0.0624	4.27E-03	2.13E-02	4.08E-02	5.43E-02	6.08E-02	6.21E-02
3_ 0 69 68		2	6221.56	1.6073	0.0303	1.81E-07	6.43E-06	3.29E-05	7.87E-05	1.30E-04	1.76E-04
3 0 94 93		1	6222.72	1.6070	0.0303	0.0	6.28E-07	2.11E-05	1.56E-04	5.50F-04	1 • 27E-03
E 0 _E			6222.74	1.6070	0.0609	7.08E-04	4.30E-04	2.87E-04	2.03E-04	1.49E-04	1.12E-04
3 0 24 25		1	6223.16	1.6069	0.0437	7.12E-02	7.84E-02	7.06E-02	5.97E~02	4.94E-02	4.07E-02
118C .79		1	6223.30	1.6069	0.0303	0.0	1.83E-05	3.45E-04	1 • 81 E-03	5.07E-03	9.96E-03
4 1 10 11		1	6223.50	1.6068	0.0625	2.90E-02	5.53E-02	6.56E-02	6.54E-02	6.05E-02	5.39E-02
5 2 59 58		1	6224.02	1.6067	0.0303	6 • 1 3E - 0 6	6 • 1 3E-04	5.26E-03	1.72E-02	3.50E-02	5.49E-02
5 2 1C 9		1	6224.05	1.6067	0.0624	4.57E-03	2.32E-02	4.48E-02	5.99E-02	6.73E-02	6.89E-02
3 0 68 67		2	6224.97	1.6064	0.0303	2-49E-07	7.89E~06	3.80E-05	8.80E-05	1.425-04	1 • 89E-04
3 0 4 3		2	6226.03	1.6062	0.0611	9.41E-04	5.74E-04	3.84E-04	2.72E-04	2.00E-04	1.51E-04
5 2 11 10		1	6226.66	1.6060	0.0625	4.82E-03	2.49E-02	4.85E-02	6.52E-02	7.35E-02	7.55E-02
5 2 58 57		1	6226.69	1.6060	0.0303	8.11E-06	7.32E-04	5.97E-03	1 +89E-02	3.78E-02	5.84E-02
<u>.3</u> 0 67 66	,	2	6228.27	1.6056	0.0303	3.41E-07	9.64E-06	4.39E-05	9.81E-05	1.55E-04	2.03E~04
4 1 79 78		1	6228.35	1.6056	0.0303	5.59E-08	2.36E-05	4.15E-04	2.09E-03	5.68E-03	1.09E-02
4_ ,1 9 10		1	6228.35	1.6056	0.0624	2.82E-02	5.29E-02	6.21E-02	6.15E-02	5.66E-02	5.03E-02
5 2 12 11		1	6229.17	1.6054	0.0617	5.01E-03	2.64E-02	5.20E-02	7.03E-02	7.95E-02	8.19E-02
		2	6229.21	1.6053	0.0614	1.17E-03	7.17E-04	4.82E-04	3.42E-04	2.51E-04	1.90E-04
47 5 2 57 56 0 3 0 93 92		1	6229.24	1.6053	0.0303	1.07E-05	8.72E-04	6.76E-03	2.08E-02	4.07E-02	6.20E-02
<u>Q</u> 3_0 93 92		1	6229.38	1.6053	0.0303	0.0	8.45E-07	2.628-05	1 • 85E-04	6-29E-04	1.42E-03
3 0 23 24		i	6229.48	1.6053	0.0457	7.93E-02	8.35E-02	7.35E-02	6.13E-02	5.03E-02	4.11E-02
30 €€ 65		ż	6231.46	1.6048	0.0303	4-65E-07	1 - 17E-05	5.05E-05	1.09E-04	1.69E-04	2 • 1 7E-04
5 2 13 12		1	6231.57	1.6047	0.0610	5.15E-03	2.77E-02	5.51E-02	7.50E-02	8.53E-02	8.81E-02
<u>5</u> 256 55		1	6231.68	1.6047	0.0303	1.40E-05	1.03E-03	7.63E-03	2.28E-02	4.37E-02	6.56E-02.
3 0 6 5		2	6232.30	1.6045	0.0617	1.38E-03	8.56E-04	5.78E-04	4.11E-04	3.03E-04	2.30E-04
4. <u>18</u> _9	,	1	6233.10	1.6043	0.0624	2.71E-02	4.98E-02	5.80E-02	5.72E-02	5.24E-02	4.64E-02
4 1 78 77		1	6233.28	1.6043	0.0303	8.22E-08	3.02E-05	4 • 97E-04	2.40E-03	6.36E-03	1.20E-02
5 2 14 13		1	6233.86	1.6041	0.0604	5.22E-03	2.886-02	5.79E-02	7.94E-02	9.07E-02	9.40E-02
5 2 55 54		1	6234.01	1.6041	0.0303	1.826-05	1.2SE-03	8.58E-03	2.49E-02	4.68E-02	6.94E-02
3_0_6564		2	6234.55	1.6040	0.0303	6.31E-07	1.42E-05	5.79E-05	1 -21E-04	1.83E-04	2.325-04
3 0 7 6		2	6235.28	1.6038	0.0620	1.586-03	9.91E-04	6.72E-04	4.79E-04	3.54E-04	2 • 69E-04
E2 . 22 . 0 . E		1	6235.70	1.6037	0.0476	8.78E-02	8.84E-02	7.61E-02	6.26E-02	5.09E-02	4.14E-02
3 0 92 91 5 2 15 14		1	6235.93	1.6036	0.0303	0.0	1.13E-06	3.24E-05	2.18E-04	7.19E-04	1.59E-03
5 2 54 53		1	6236.04	1.6036	0.0597	5.24E-03	2.96E-02	6.04E-02	8.35E-02	9.58E-02	9-97E-02
		1	6236.22	1.6035	0.0303	2.36E-05	1.44E-03	9.63E-03	2.71E-02	5.01E-02	7.32E-02
3_, 0 64 63 4 1 7 8	•		6237.53	1.6032	0.0303	8.525-07	1.72E-05	6.63E-05	1 - 34E-04	1.98E-04	2.47E-04
4 1 77 76		1	6237.74	1.6031	0.0623	2.56E-02	4.62E-02	5.33E-02	5.23E-02	4.78E-02	4.23E-02
6 2 16 15		1	6238.10 6238.12	1.6031	0.0303	1.20E-07	3.86E-05	5.94E-04	2.76E-03	7.10E-03	1.32E-02
3 0 6 7		2	6238.17	1.6030	0.0591	5.21E-03	3.03E-02	6.26E-02	8.71E-02	1.01E-01	1.05E-01
5 2 53 52		1	6238.33	1.6030	0.0623	1.76E-03	1.12E-03	7.635-04	5.46E-04	4.05E-04	3.08E-04
52 17 16		i	6240.09	1.6030	0.0303	3.05E-05	1.69E-03	1.085-02	2 • 95E-02	5.35E-02	7.71E-02
5 2 52 51		1	6240.32	1.6025	0.0585 0.0303	5.13E-03	3.07E-02	6.448-02	9.04E-02	1.05E-01	1.10E-01
3 0 63 62		2	6240-41	1.6025	0.0303	3.90E-05 1.14E-06	1.97E-03 2.07E-05	1.20E-02 7.56E-05	3.20E-02 1.48E-04	5.69E-02 2.14E-04	8.10E-02
3 0 9 8		2	6240.96	1.6023	0.0524	1.92E-03	1.24E-03	8.51E-04	6.12E-04	4.55E-04	2.63E-04 3.46E-04
3 0 21 22		ī	6241.82	1.6023	0.0496	9.64E-02	9.30E-02	7.84E-02	6.37E-02	5.14E-02	4.15E~02
5 2 1e 17		i	6241.96	1.6021	0.0568	5.018-03	3.09E-02	6.58E-02	9.32E-02	1.09E~01	1.15E-01
5 2_51 50		ī	6242.19	1.6020	0.0303	4.97E-05	2.295-03	1.345-02	3.46E-02	6.05E-02	8.50E-02
4 1 6 7		ī	6242.28	1.6020	0.0620	2.36E-02	4.20E-02	4.81E-02	4.70E-02	4.29E~02	3.78E-02
3 0 51 50			6242.35	1.6020	0.0303	0.0	1.51E-06	3.99E-05	2.56E-04	8 • 19E-04	1.77E-03
		-				3 <b></b>		2000	2002 04		,

vů v	L	JU	JL	LOWER STATE	CODE	WAVE NUMBER	WAVE Length	HALF WIDTH	******** INTEGRATED ** ABSORPTION ** CDEFFIC				EFFICIENT *	IENT *******		
				ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500 ,		
			75	12801-85	1	6242.80	1.6018	0.0303	1.75E-07	4.92E-05	7.08E-04	3.16E-03	7.92E-03	1.44E-02		
			61	6870.93	2	6243.18	1.6017	0.0303	1.53E-06	2.49E-05	8.60E-05	1 • 63 E → 04	2.31E-04	2.79E-04		
<u>3</u> . ,		10	9	165.38	2	6243.64	1.6016	0.0624	2.06E-03	1.35E-03	9.35E-04	6.75E-04	5.03E-04	3.84E-04		
			18	4904.90	1	6243.71	1.6016	0.0552	4.85E-03	3.09E-02	6.68E-02	9.56E-02	1.12E-01 6.41E-02	1.19F-01 8.89E-02		
			49	8847.68	1	6243.96	1.6015	0.0303	6.30E-05	2.665-03	1.48E-02	3.74E-02				
			19	4976.46	1	6245.36	1.6012	0.0535	4.65E-03	3.07E-02	6.75E-02	9.76E-02	1.16F-01	1.23E-01.		
			48	8665.59	1	6245.61	1.6011	0.0303	7.93E-05	3.07E-03	1.64E-02	4.02E-02 1.79E-04	6.78E-02 2.49E-04	9.29E-02 2.96E-04		
			60	6651.80	2	6245.84	1.6011	0.0303	2.02E-06 2.18E-03	2.97E-05 1.45E-03	9.75E-05 1.01E-03	7.36E-04	5.50E-04	4.22E-04		
	0		10 .	202.12	2	6246.23	1.6010	0.0625		3.73E-02	4.25E-02	4.13E-02	3.76E-02	3.31E-02 .		
	1	5	6	2223.28	1	6246.72	1.6008	0.0617	2.12E-02		6.78E-02	9.92E-02	1.186-01	1.26E-01		
			20	5051-77	1	6246.90	1.6008	0.0515	4.43E-03 9.93E-05	3.03E-02 3.53E-03	1.80F-02	4.32E-02		. 9.68E-02		
			47	8487.11	1	6247.15	1.6007	0.0303 0.0303		6.25E-05	8.41E-04	3.60E-03	8.81E-03	1.57E-02		
			74	12526.50	1	6247.38	1.6007		2.54E-07 1.05E-01	9.73E-02	8.04E-02	6.46E-02	5.16E-02	4.15E-02		
			21	886.95	1	6247.84	1.6006	0.0515 0.0496	4.18E-03	2.97E-02	6.78E-02	1.00E-01		. 1.30E-01		
			21 59	.5130.82	1 2	6248.33	1.6004 1.6004	0.0303	2.67E-06	3.546-05	1.10E-04	1.96E-04	2.67E-04	3.13E-04		
				6436.11		6248 • 40			1.24E-04	4.04E-03	1.98E-02	4.62E-02	7.54E-02	1.01E-01		
			46	8312.24	1	6248.58	1.6004	0.0303 0.0303	0.0	2.02E-06	4.92E-05	3.01E-04	9.32E-04	1.97E-03		
			89 11	15003.98	1 2	6248.66 6248.72	1.6003 1.6003	0.0503	2.27E-03	1.545-03	1.09E-03	7.94E-04		4.58E-04		
			22	242.53 5213.61	1	6249.65	1.6003	0.0476	3.92E-03	2.90E-02	6.75E-02	1.01E-01	1.22E-01	1.32E-01		
			45	8140.98	1	6249.90	1.6000	0.0303	1.53E-04	4.60E-03	2.16E-02	4.94E-02	7.92E-02	1.05E-01 .		
			58		2	6250.85	1.5998	0.0303	3.53E-04	4.22E-05	1.25E-04	2.16E-04	2.88E-04	3.33E-04		
			23	6223.85 5300.14	1	6250.87	1.5998	0.0457	3.65E-03	2.81E-02	6.68E-02	1.01E-01	1.24E-01	1.35E-01		
4	1	4	5	2200.42	1	6251.05	1.5997	0.0614	1 84E-02	3.21E-02	3.63E-02	3.52E-02	3.19E-02	2.81E-02		
			44	7973.35	1	6251.10	1.5997	0.0303	1.88E-04	5.23E-03	2.36E-02	5.26E-02	8.30E-02	15.08E-01		
			12	286.60	2	6251.10	1.5997	0.0610	2.34E-03	1.62E-03	1.15E-03	8 • 48E-04	6.40E-04	4.93E-04		
			73	12254.55	1	6251.85	1.5995	0.0303	3.66E-07	7.90E-05	9.97E-04	4.11E-03	9.78E-03	1.71E-02		
			24	5390.41	1	6251.98	1.5995	0.0437	3.37E-03	2'-71E-02	6.59E-02	1.01E-01	1.25E-01	1.36E-01		
			43	7809.34	i	6252.20	1.5994	0.0303	2+31E-04	5.91E-03	2.57E-02	5.58E-02	8.67E-02	1.12E-01 .		
			25	5484.40	ì	6252.97	1.5992	0.0418	3.09E-03	2.60E-02	6+47E-02	1.01E-01	1.25E-01	1.38E-01		
			42	7648.97	1	6253.18	1.5992	0.0303	2.80E-04	6.66E-03	2.78E-02	5.91E-02	9.04E-02	1.16E-01		
			57	6015.03	2	6253.19	1.5992	0.0303	4 • 64E-06	5.02E-05	1.41E-04	2.37E-04	3.09E-04	3.53E-04		
			13	334.34	2	6253.40	1.5991	0.0604	2.38E-03	1.68E-03	1.21E-03	8.99E-04	6.81E-04	5.26E-04		
			20	806.42	1	6253.75	1.5990	0.0535	1 -14E-01	1.01E-01	8.20E-02	6.51E-02	5.17E-02	4.13E-02		
			26	5582-12	ī	6253.86	1.5990	0.0398	2.82E-03	2.48E-02	6.32E-02	9.97E-02	1.25E-01	1.39E-01		
			41	7492.24	ī	6254.05	1.5990	0.0303	3.39E-04	7.46E-03	3.01E-02	6.24E-02	9.41E-02	1.19E-01		
			27	5683.57	ī	6254.64	1.5988	0.0379	2.55E-03	2.36E-02	6 - 1 5E-02	9.85E-02	1.25E-01	1.39E-01		
			4 C	7339.16	1	6254.81	1.5988	0.0303	4.07E-04	8.34E-03	3.24E-02	6.57E-02	9.76E-02	1.22E-01		
			ea	14679.17	1	6254.84	1.5988	0.0303	0.0	2.69E-06	6.08E-05	3.55E-04	1.07E-03	2.20E-03.		
	1	3	4	2181.37	1	6255+28	1.5986	0.0611	1.53E-02	2.64E-02	2.97E-02	2.87E-02	2.60E-02	2.29E-02		
			28	5788.74	1	6255.31	1.5986	0.0359	2.29E-03	2.236-02	5.96E-02	9.69E-02	1.24E-01	1.40E-01		
			56	5809.67	2	6255.43	1.5986	0.0303	6.07E-06	5.94E-05	1.59E-04	2.59E-04	3.32E-04	3.74E-04		
			39	7189.73	1	6255.46	1.5986	0.0303	4-87E-04	9.27E-03	3.47E-02	6.90E-02	1.01E-01	1.25E-01		
			14	385.75	2	6255.59	1.5986	0.0597	2.39E-03	1774E-03	1.27E-03	9.46E-04	7.20E-04	5.59F-04		
			29	5897.62	1	6255.88	1.5985	0.0340	2.04E-03	2.10E-02	5.76E-02	9.51E-02	1.23E-01	1.39F-01		
		35	38	7043.96	1	6256.00	1.5985	0.0303	5.78E-04	1.03E-02	3.71E-02	7.236-02	1.04E-01	1.28F-01		
4	1	73	72	11986.02	1	6256.20	1.5984	E0E0.0	5.24E-07	9.96E-05	1.18E-03	4.67E-03	1.08E-02	1.86E-02		
5	2	31	30	6010.21	1	6256.33	1.5984	0.0335	1.82E-03	1.976-02	5.57E-02	9.34E-02	1.22E-01	1.39E-01		
5	2	35	37	6901.85	1	6256.42	1.5984	0.0303	6.82E-04	1.136-02	3.95E-02	7.54E-02	1.07E-01	1.30E-01		
	2	32	31	6126.50	1	6256.67	1.5983	0,0331	1 • 6 2 E = 0,3	1.85E-02	5.36E-02	9.15E-02	1.21E-01	1.395-01		
	2	37	36	6763.42	1	6256.74	1.5983	ò.0308	8.00É-04	1.246-02	4.20E-02	7.85E-02	1-10E-01	1.33E-01		
5	2	33	32	6246.50	1	6256.91	1.6982	0.0326	1.425-03	1.725-02	5.14E-02	8.93E-02	1 - 1 9E - 0 1	1.39E-01		
5	2	36	35	6628.66	1 .	,6256.95	1.5982	0.0312	9.32E-04	1.36E-02	4.44E-02	8.15E-02	1 • 1 3E-0 1	1.35E-01		

								<b></b>							
	ν̈́u	٧L	บับ	JL	LOWER STATE	CODE	WAVE Number	WAVE LENGTH	HALF WIDTH	*****	* ÎNTEGRATE	ED ** ABSORI CM*GI		EFFICIENT *	*****
				•	ENERGY		CM-1	MICRON	H2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
					ENCHO		Cm-1	MICKON	HZ.	1 = 1000	1 - 1500	1 = 2000	1 = 2500	1 = 3000	1 = 5500
	§,	2	34	33	6370•20	1	6257.03	1.5982	0.0321	1.24E-03	1.60E-02	4.92E-02	8.69E-02	1 105-01	1 205-01
	5	2	35	34	6497.59	i	6257.04							1-18E-01	1.38E-01
	_3	0	56_		5607.77	2	6257.56	1.5982 1.5981	0.0317	1.08E-03	1.48E-02	4.68E-02	8 • 43E-02	1.15E-01	1.36E-01
	3	~	16	15	440.81	2	6257.68	1.5980	0.0303 0.0591	7.89E-06	7.016-05	1.79E-04	2 • 83E-04	3.56E-04	3.95E-04
	_4	1	2	3	2166.13		6259.41			2.38E-03	1.78E-03	1.32E-03	9.89E-04	7.57E-04	5.89E-04
	3	ō	18	19	729.71	1	6259.56	1.5976	0.0609	1.18E-02	2.02E-02	2.27E-02	2.19E-02	1.986-02	1.746-02
	, 3,	ō	56	54	5409.33		6259.59	1.5976	0.0552	1.22E-01	1.05F-01	8.33E-02	6.54E-02	5.15E-02	4.09E-02
	3	ō	17	16	499.54		6259.67	1.5975	0.0303	1.02E-05	8.24E-05	2.01E-04	3.09E-04	3.80E-04	4.16E-04
	<del></del> -	1		71	11720.90	1		1.5975	0.0585	2.35E-03	1.80E-03	1.36E-03	1.038-03	7.90E-04	6.18E-04
	3	-ĉ	88	87	14357.63		6260.44	1.5973	0.0303	7.47E-07	1 • 25E + 04	1.39E-03	5.30E-03	1.20E-02	2.02E-02
	3	ŏ	54	53	5214.37	1 2	6260.91	1.5972	0.0303	0.0	3.59E-06	7.50E-05	4.18E-04	1.22E-03	2.46E-03
	3	ŏ	18	17		2	6261.51	1.5971	0.0303	1.31E-05	9.65E-05	2.25E-04	3.35E-04	4.06E-04	4.38F-04
	3	ŏ	53	52	561.92 5022.89	2	6261.56 6263.33	1.5970	0.0568	2.30E-03	1.82E-03	1.39E-03	1.06E-03	8.21E-04	6.45E-04
	3	ŏ	19	18	627.96	2		1.5966	0.0303	1.68E-05	1.13E-04	2.50E-04	3.64E-04	4.32E-04	4+60E-04
		1		2.	2154.70	1	6263.34 6263.43	1:5966	0.0552	2.23E-03	1.82E-03	1.41E-03	1.09E-03	8.49E-04	6.70E-04
	4 4	1	71	70	11459.21	i		1.5966	0.0606	8.09E-03	1.38E-02	1.548-02	1.49E-02	1.346-02	1.18E-02
	3_		20	19	697.65	2	6264.56 6265.03	1.5963	0.0303	1.06E-06	1.56E-04	1.63E-03	5.99E-03	1.32E-02	2.19E-02
	3	- 0	52	51	4834.91	2		1.5962	0.0535	2.15E-03	1.81E-03	1.43E-03	1.11E-03	8.74E-04	6.93E-04
	_3	ő	17	ie	656.82		6265.04	1.5962	0.0303	2.13E-05	1.31E-04	2.785-04	3.93E-04	4.59E-04	4.83E-04
	_3	ő	21	20	771.00		6265.27	1.5961	0.0568	1.29E-01	1.07E-01	8.40E-02	6.53E-02	5.11E-02	4.04E-02
	3_	0_	51	50	4650.41	2	6266.62 6266.64	1.5958	0.0515	2.05E-03	1.795-03	1.44E-03	1.13E-03	8.95E-04	7.13E-04
4	3	~~~~	87	86	14039.36	1		1.5958	0.0303	2.70E-05	1.52E-04	3.08E-04	4.24E-04	4.86E-04	5.05E-04
472	_4_		Ö	1	2147.00	1	6266.87 6267.34	1 •5957 1 • 5956	0.0303	0.0	4.77E-06	9.22E-05	4.91E-04	1.39E-03	. 2.75E-03
	3	ō	22	21	847.99	2	6268.10	1.5954	0.0603	4.12E-03	7.00E-03	7.82E-03	7.53E-03	6.79E-03	5.95E-03
	ă_	_ 0	50	49	4469.43	2			0.0496	1.95E-03	1.76E-03	1.44E-03	1.15E-03	9-13E-04	7.31E-04
	4		70	69	11200.97	i	6268.15 6268.57	1.5954	0.0303	3.39E-05	1 • 75E-04	3.40E-04	4.56E-04	5.14E-04	5.27E-04
	_3,			22	928.62		6269.49	1.5953	0.0303	1.49E-06	1.956-04	1.91E-03	6.76E-03	1.46E-02	2.37E-02
	3		49	48	4291.95	2		1.5950	0.0476	1.83E-03	1.73E-03	1.44E-03	1.16E-03	9.28E-04	7.48E-04
				23	1012.90	2	6269.54 6270.77	1.5950	0.0303	4 • 24E-05	2.01E-04	3.74E-04	4.90E-04	5.42E-04	5.50E-04
	3 3	0	48	47	4117+99			1.5947	0.0457	1.71E-03	1.68E-03	1.42E-03	1.16E-03	9.40E-04	7.61E-04
	3_		16	17	587.75	1	6270.83 6270.88	1.5947	0.0303	5.28E-05	2.30E-04	4-11E-04	5 • 24E-04	5.71E-04	, 5.72E-04
	э		25	24	1100.81	2	6271.95	1.5947 1.5944	0.0585	1.36E-01	1.10E-01	8.43E-02	6.48E-02	5.04E-02	3.97E-02
		<u>.</u> 0		.46	3947.55	2	6272.02	1.5944	0.0437	1.58E,-03	1.62E-03	1.41E-03	1.16E-03	9.48E-04	7.73E-04
	4	· Ÿ	69	68	10946.18	1	6272.46	1.5944	0.0303 0.0303	6.53E-05 2.10E-06	2.62E-04	4.49E-04	5.59E-04	5.99E-04	5.94E-04
	3	٥٠	86	25	13724.39	i	6272.70	1.5942	0.0303	0.0	2.42E-04	2.23E-03	7.62E-03	1.60E-02 1.58E-03	2.56E-02
	3		26	25	1192.36	2	6273.03	1.5942	0.0303	1.46E-03	6.305-06	1.13E-04	5.76E-04		3.06E-03
	3	ŏ	46	45	3780.65	2	6273.03	1.5941	0.0303	8.03E-05	1.56E-03 2.97E-04	1.385-03	1 • 1 6E = 03	9.53E-04	7.82E-04
	3	Ŷ.	27	26	1287.55	2	6274.01	1.5939	0.0398	1.33E-03		4.90E-04	5.96E-04	6.28E-04	6.15E-04
		. <u></u> .	45	44	3617.28	2	6274.08	1.5939	0.0398	9.82E-05	1.49E-03	1.36E-03 5.33E-04	1.15E-03 6.33E-04	9.55E-04 6.57E-04	7.88E-04 6.36E-04
	3	1	1	· 0 -	2143.27	ī	6274.86	1.5937	0.0603	4.24E-03	3.36E-04 7.18E-03	8.02E-03		6.96E-03	6.10E-03
	3	ō	28	27	1386.36	2	6274.88	1.5937	0.0379	1.21E-03	1.42E-03	1.32E-03	7.71E-03 1.14E-03	9.54E-04	7.93E-04
	3	- ŏ	44	43	3457.45	2	6274.96	1.5936	0.0303	1 • 1 9E~04	3.78E-04	5.77E-04	6.70E-04	6.85E-04	6.56F-04
		ō	29	28	1488.80	2	6275.66	1.5935	0.0359	1.09E-03	1.35E-03	1.28E-03	1.12E-03	9.50E-04	7.95E-04
	- 3	ŏ	43	42	3301.17		6275.73	1.5934	0.0303	1.44E-04	4.24E-04				6.75E-04
		ĭ	€8	67	10694.85	1	6276.24	1.5933	0.0303			6.24E-04	7.07E-04	7 • 12E-04	
	- <u>4</u>	~~ ō	36	29	1594.85	ż	6276.33	1.5933	0.0303	2.92E-06 9.81E-04	2.99E-04 1.27E-03	2.60E-03	8.55E-03 1.10E-03	1.75E-02 9.43E-04	2.76E-02 7.95E-04
		ō	42	41	3148.44	2	6276.39	1.5933	0.0303	1.73E-04	4.74E-04	1.24E-03 6.72E-04	7.45E-04	7.39E-04	
	3_ 3	- 0	15	16	522.50	ī	6276.39	1.5933	0.0591	1.43E-01	1.11E-01	8.40E-02	6.40E-02	4.95E-02	6.93F-04 3.88E-02
	3	ŏ	31	30	1704.53		6276.90	1.5931	0.0335	8.79E-04 .		1.20E-03	1.09E-03	9.39E-04	7.97E-04
	<del>ў</del>	ŏ	41	40	2999.27		6276.95	1.5931	0.0303	2.07E-04	5.27E-04	7.215-04	7.83E-04	7.66E-04	7.11E-04
		ŏ	32	31	1817.82		6277.37	1.5930					1.07E-03		7.11E-04 7.97E-04
	3_3	- 5-	- 4°C .	39	2853.67		6277.41	1.5930	0.0331 0.0303	7.82E-04 2.46E-04	1.13E-03 5.84E-04	1.16E-03 7.71E-04	8.20E-04	9.31E-04 7.91E-04	7.97E-04
	3_		33	32	1934.72		6277.74	1.5929	0.0326	6.92E-04		1.12E-03	1.04E-03	9.21E-04	7.95E-04
	- 7	- ~			,,,,,,,,,	-	0211114	1.0769	0 0 0 0 2 0	3.725-04	1.06E-03	10125-03	4 4 04 6 - 03	70216-04	11905-04

VU VL JU JL	LOWER State	CODE	WAVE NUMBER	WAVE LENGTH	HALF Width	*****	** INTEGRATI	ED ** ABSOR		EFFICIENT *:	******
	ENERGY		C#-1	MICRON	н2	T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
3. 0 39 38	2711 64		4077 77		0.0303	0.005.04					
a. 0 39 38 3 0 34 33	2711.64 2055.22	2 2	6277.77 6278.00	1.5929	0.0303 0.0321	2.90E-04	6.44E-04	8.21E-04	8.56E-04	8.15E-04	7.41E-04
30_36_37			6278.02	1 • 5 9 2 9 1 • 5 5 2 9	0.0303	6.08E-04 3.41E-04	9+84E-04	1.07E-03	1.025-03	9.09E-04	7.91E-04
3 0 35 34	2179.32	2	6278.16	1.5928	0.0303		7.07E-04	8.73E-04	8.91E-04	8.37E-04	7.54E-04
	2438.31	2	6278.17	1.5928		5.31E-04	9.12E-04	1.02E-03	9.89E-04	8.94E-04	7.84E-04
3 0 27 36 3 0 36 35					0.0308	3.97E-04	7.73E-04	9.24E-04	9.25E-04	8.58E-04 .	7.66E-04
_ 3 0 88 84	2307.02 13412.71	2	6278•22 6278•42	1.5928	0.0312	4.61E-04	8.41E-04	9.74E-04	9.58E-04	8.77E~04	7.76E-04
4 1 2 1	2147.08	1	6278.46	1.5928	0.0303	0.0	8.31E-06	1.38E-04	6.74E-04	1.79E-03	3.40E-03
	10446.99		6279.90	1.5927 1.5924	0.0606	8.54E-03	1.45E-02	1.62E-02	1.56E-02	1.41E-02	1.23E-02
3 0 14 15	461.08				0.0303	4.06E-06	3.69E-04	3.026-03	9.58E-03	1.92E-02	2.97E-02
4 1 3 2		1	6281.79	1.5919	0.0597	1.48E-01	1.12E-01	8.32E-02	6.28E-02	4.83E-02	3.77E-02
4 1 66 65	2154.70 10202.62	1	6281.95 6283.45	1.5919	0.0609	1.28E~02	2.19E-02	2.45E-02	2.36E-02	2.13E-02	1.87E-02
		1		1.5915	0.0303	5.60E-06	4.53E-04	3.49E-03	1.07E-02	2.09E-02	3.19E-02
30 84 83 4 1 4 3	13104.36	1	6284.02	1.5913	0.0303	0.0	1.09E-05	1.69E-04	7.87E-04	2.03E-03	3.77E-03
	2166-13	1	6285.34	1.5910	0.0611	1.71E-02	2.92E-02	3.28E-02	3.17E-02	2.86E-02	2.51E-02
41_,6564	., 9961.74	1 .	6286.88	1.5906	0.0303	.7.69E-06		4.03E-03	1.195-02	2.28E-02	3.42E-02
3 0 13 14	403.48	1	6287.09	1.5906	0.0604	1.51E-01	1.11E-01	8-18E-02	6.13E-02	4.68E-02	3+64E-02
4 1 5 4	'2181.37	1	6288.63	1.5902	0.0614	2.11E-02	3•65E-02	4 • 1 1E-02	3.97E-02	3.60E-02	3.16E-02 .
3 0 63 82	12799.33	1	6289.50	1.5900	0.0303	5.09E-08	1 -43E-05	2.06E-04	9.17E-04	2.30E-03	4.18E-03
4 1 64 63	9724.36	1	6290.20	1.5898	0.0303	1.05E-05		4.64E-03	1.33E-02	2.48E-02	3.65E-02
4 1 6 5	2200.42	1	6291.80	1.5894	0.0617	2.50E-02	4.35E-02	4.92E-02	4.78E-02	4.345-02	3.81E-02
30 . 12_ 13,		1	6292.29	1.5892	0.0610	1.536-01	1 • 10E-01	7.97E-02,	5.93E-02	4.50E-02	3.49E-02
3 4 1 63 62 8 3 0 82 81	9490.49	1	6293.40	1.5890	0.0303	1.42E-05	8.18E-04	5.32E-03	1.47E-02	2.69E-02	3•90E-02 .
	12497.64	1	6294.87	1.5886	0.0303	7.68E-08	_ 1.87E-05	2.50E-04	1 •,07E-03	2.60E-03	4.62E-03
4 1 7 6	2223.28	1	6294.88	1.5886	0.0620	2.86E-02	5.03E-02	5.72E-02	5.57E-02	5.07E-02	4.46E-02
41 62 61	9260.14	1	6296.49	1.5882	0.0303	1.92E-05	9.89E-04	6.09E-03	1.63E~02	2.91E-02	4.16E-02
3 0 11 12	299.78	1	6297.38 .	1.5880	0.0617	1.53E-01	1.07E-01	7.71E-02	5.69E-02	4.30E-02	3.32E-02
41_8,7	2249.94	1	6297.84	1.5878	0.0623	3.18E-02	5.67E-02	6.49E-02	6.35E-02	5.79E-02	5.11E-02
4 1 61 60	9033.32	1	6299.47	1.5874	0.0303	2.58E-05	1.19E-03	6.94E-03	1.80E-02	3.15E-02	4.42E-02
<u>. 3</u> 0 61 60	12199.31	1	6300.12	1.5873	0.0303	1 •15E-07	2.43E-05	3.02E-04	1 • 24E-03	2.93E-03	5.11E-03 .
4 1 9 8	2280+41	1	6300.70	1.5871	0.0624	3.47E-02	6.27E-02	7.236-02	7.10E-02	6-49E-02	5.74E-02
4_1 60 59	8810.04	1	6302.33	1.5867	0.0303	3.45E-05	1 • 43E-03	7.89E-03	1 • 98E-02	3.39E-02	4.69E-02
3 0 1C 11	253.68	1	6302.37	1.5867	0.0625	1.52E-01	1.04E-01	7.37E-02	5.41E-02	4.07E-02	3.14E-02
41, 10, 9	2314.69_	1	6303.46	1.5864	0.0624	3.71E-02	6.82E-02	7.94E-02	7.83E-02	7.18E-02	6.37E-02
4 1 59 58	8590.31	1	6305.08	1.5860	0.0303	4.60E-05	1.72E-03	9.00E-03	2.19E-02	3.67E-02	5.00E-02
3 _ (0 80 79	11904.34	I,	6305.25	1.5860	0.0303	1.72E-07	3 • 1 4E-05	3.65E-04	1.43E-03	3.29E-03	5.63E-03
4 1 11 10	2352.76	1	6306.10	1.5858	0.0625	3.91E-02	7.32E-02	8.59E-02	8.52E-02	7.85E-02	6.98E-02 .
3 0 5 10	211.42	1	6307.26	1.5855	0.0624	1.48E-01	9.93E-02	6.98E-02	5.09E-02	3.82E-02	2.93E-02-
4 1 58 57	8374.14	1	6307.71	1.5854	0.0303	6 • 1 2E-05	2.06E-03	1.02E-02	2.41E-02	3.96E-02	5.32F-02
4 1 12 11.	2394.64	1	6308.64	1.5851	0.0617	4.06E-02	7.76E-02	9.20E-02	9.18E-02	8.49E-02	7.57E-02
4 1 57 56	8161.53	1	6310.23	1.5847	0.0303	8.08E-05	2.45E-03	1.16E-02	2.65E-02	4.27E-02	5.65E-02
3 0 79 78	11612.75	1	6310.27	1.5847	E0E0.0	2.55E-07	4.06E-05	4.39E-04	1 • 65E-03	3.69E~03	6.19E-03
4 1 13 12	2440.32	1	6311.08	1.5845	0.0610	4.17E-02	8.14E-02	9.76E-02	9.80E-02	9.11E-02	8.15E-02 .
2 9 E	172.99	1	6312.05	1.5843	0.0624	1 -42E~01	9.37E-02	6.52E-02	4.73E-02	3.53E-02	2-71E-02
4 1 56 55	7952.49	1	6312.64	1.5841	0.0303	1.06E-04	2.92E-03	1.31E-02	2.91E-02	4.59E-02	5.99E-02
<u> 9</u> 1 14 13.	2489.80	1	04.E1E6	1.5839	0.0604	4.23E-02	8.45E-02	1.03E-01	1.045-01	9.69E-02	8.69E-02
4 1 55 54	7747.04	1	6314.94	1.5835	0.0303	1.395-04	3.45E-03	1.48E-02	3.18E-02	4.92E-02	6.33E-02 .
3 0 78 77	11324.54	1 '	6315.17	1.5835	0.0303	3.77E-07	5.22E-05	5.27E-04	1.90E-03	4.14E-03	6.80F-03
4 1 15 14	2543.08	1	6315.62	1.5834	0.0597	4.24E-02	8.70E-02	1.07E-01	1.09E-01	1.02E-01	9.22E-02
3 C 7 E	138.40	1	6316.73	1.5831	0.0623	1.34E-01	8.69E-02	6.00E-02	4.33E-02	3.22E-02	2.46E-02
4 1 54 53	7545.Í7	1	6317.12	1.5830	0.0303	1.80E-04.	4.07E-03	1.66E-02	3-48E-02	5.27E-02	6.68E-02
4 1 16 15	2600.15	1	6317.73	1.5828	0.0591	4.21E-02	8.89E-02	1 - 1 1E-01	1 .14E-01	1.07E-01	9.71E-02
4 1 53 52	7346.91	1	6319.19	1.5825	0.0303	2.33E-04	4.78E-03	1.86E-02	3.78E-02	5.63E-02	7.04E-02
4 1 17 16	2661.01	1	6319.74	1.5823	0.0585	4.15E-02		1-14E-01	1.18E-01	1 - 1 2E-01	1.02E-01
- •						· - •	• • • • •	- · · -	·	· •	

Section   Picker					LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALÉ WIDTH	******	**************************************						
1   52   51   7152.25   6   321.14   1.5920   0.0030   2.99E-00   7.91E-02   2.00E-02   4.11E-02   6.00E-02   7.41E-02   7.91E-02   4.11E-02   7.41E-02   7.91E-02					ENERGY		C N-1			T = 1000	T = 1500		•	T = 3000	T = 3500		
1   52   51   7152.25   6   321.14   1.5920   0.0030   2.99E-00   7.91E-02   2.00E-02   4.11E-02   6.00E-02   7.41E-02   7.91E-02   4.11E-02   7.41E-02   7.91E-02	~																
3 0 6 7 107.66 1 6321.30 1.4820 0.0620 1.28E-01 7.91E-02 3.48E-02 3.89E-02 2.20E-02 4 1 18 7 275.67 1 6321.64 1.5810 0.065.08 1.05E-03 9.06E-02 9.06E-02 9.06E-02 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.06E-01 1.0												6.31E-04	2.18E-03	4.63E-03	7.46E-03		
4 1 16 17 2725.67 1 6321.64 1.5819 0.0569 4.05E-02 9.05E-02 1.16E-01 1.26E-01 1.16E-01 1.06E-01 1.06E-												2.08E-02	4.11E-02	6.00E-02	7.41E-02		
4 1 51 60 0661.20 1 0.322.49 1.5815 0.0303 3.82E-04 6.51E-03 2.31E-02 4.66E-02 6.77E-02 7.77E-02 2 0.05E-03 1.10E-01 1.15E-01 1.25E-01 1.10E-01 1.05E-01 1.10E-01 1.05E-01 1.10E-01 1.1															2.20E-02		
1   19   18   2794.11   1   6323.42   1.521.4   0.0552   3.91E-02   9.05E-02   1.11E-01   1.20E-01   1.20E-01   1.10E-01   1.10E-0						-											
2 0 76 75 10758.45 1 0324.62 1.5811 0.0003			-			**											
4 1 50 49 6773.78 1 6324.72 1.5811 0.00303 4.888-0.0 7.55E-0.2 8.98E-0.2 6.78E-0.2 6.7		-				-							1.25E~01	1.20E-01	1 • 10E-01		
1   20   19   2866,33   1   6.325.18   1.6800   0.0035   3.75E-02   8.99E-02   1.10E-01   1.27E-01   1.28E-01   1.17E-01   1.17E-01   1.28E-01   1.17E-01   1.28E-01   1.17E-01   1.28E-01   1.17E-01   1.28E-01   1.17E-01   1.28E-01   1.28E-0													2.50E-03	5.16E-03	8.17E-03		
3 0 5 6 60.074 1 6326.738 1.6306 0.0017 1.11E-01 7.02E-02 4.76E-02 3.46E-02 5.17E-02 7.66E-02 1.56E-02 4 1 21 20 2942.34 1 6326.34 1.6307 0.0303 6.12E-04 8.66E-02 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.20E-01 1.													4.80E-02	6.76E-02	8.14E-02		
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1   22   21   3022.13   1   6328.15   1.5802   0.0406   3.377-02   8.695-02   1.205-01   1.315-01   1.205-01   3.005-05     3   0   7   7   10480.37   0.329.17   1.5800   0.3033   9.585-04   1.155-02   3.445-02   5.465-02   7.965-02   9.265-03   9.265-03     4   1   47   46   6233.30   6.329.24   1.5800   0.0303   9.585-04   1.155-02   3.445-02   5.465-02   7.965-02   9.265-03   9.265-03     4   1   46   45   6006.43   0.330.53   1.5796   0.0476   0.305-03   1.955-03   1.955-03   3.765-02   6.3765-02   2.165-02   1.665-02   9.595-02     4   1   24   23   3193.03   0.330.76   1.5796   0.0487   2.935-02   6.215-02   1.185-01   1.325-01   1.325-01   1.325-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.205-01   1.2																	
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1   23   22   3105.69   1   6326.51   1.5799   0.0476   3.158-02   9.47E-02   1.10E-01   1.32E-01   1.30E-02   1.20E-02   2.30E-02   2.30E-03																	
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3 0 71 70 9402-94 1 6346-22 1.6757 0.0303 4.98E-06 2.74E-04 1.75E-03 4.78E-03 8.67E-03 1.25E-02 3 0 0 1 ,3.65 1 6346.57 1.5757 0.6603 2.17E-02 1.32E-02 8.82E-03 6.24E-03 4.59E-03 3.48E-03 3 0 70 65 9142-25 1 6350.19 1.5748 0.0303 7.05E-06 3.43E-04 2.05E-03 5.41E-03 9.55E-03 1.35E-02 3 0 69 68 8885.04 1 6354.05 1.5738 0.0303 9.93E-06 4.27E-04 2.40E-03 6.09E-03 1.05E-02 1.46E-02 3 0 1 0 -0.0 1 6354.16 1.5738 0.0603 2.23E-02 1.35E-02 9.05E-03 6.40E-03 4.70E-03 3.56E-03																	
3 0 0 1 ,3.85 1 6346.57 1.5757 0.6603 2.17E-02 1.32E-02 8.82E-03 6.24E-03 4.50E-03 3.48E-03 3 0 70 65 9142.25 1 6350.19 1.5748 0.0303 7.05E-06 3.43E-04 2.05E-03 5.41E-03 9.55E-03 1.35F-02 3.0 69 68 8885.04 1 6354.05 1.5738 0.0303 9.93E-06 4.27E-04 2.40E-03 6.09E-03 1.05E-02 1.46E-02 3 0 1 0 -0.0 1 6354.16 1.5738 0.0603 2.23E-02 1.35E-02 9.05E-03 6.40E-03 4.70E-03 3.56E-03		0															
3 0 70 65 9142.25 1 6350.19 1.6748 0.0303 7.05E-06 3.43E-04 2.05E-03 5.41E-03 9.55E-03 1.35F-02 3 0 69 68 8885.04 1 6354.05 1.5738 0.0303 9.93E-06 4.27E-04 2.40E-03 6.09E-03 1.05E-02 1.46E-02 3 0 1 0 -0.0 1 6354.16 1.5738 0.0603 2.23E-02 1.35E-02 9.05E-03 6.40E-03 4.70E-03 3.56E-03																	
3 0 69 68 8885.04 1 6354.05 1.5738 0.0303 9.93E-06 4.27E-04 2.40E-03 6.09E-03 1.05E-02 1.46E-02 3 0 1 0 -0.0 1 6354.16 1.5738 0.0603 2.23E-02 1.35E-02 9.05E-03 6.40E-03 4.70E-03 3.56E-03																	
3 4 9 4 9 9 4 100 00 00 00 00 00 00 00 00 00 00 00 00																	
3 4 9 4 9 9 4 100 00 00 00 00 00 00 00 00 00 00 00 00	Ĩ3	0															
	3	0	2	1	3.85		6357.79	1.5729	0.0606	4.50E-02	2.73E-02	1.83E-02	1.29E-02	9.52F-03	7.21E-03		

	VII VI JIL LOWER CODE WAVE WAVE HALF ************************************													
1/11		41.1	14	LOWER	CUDE	WAVE	WAVE	HALF	*******	* INTEGRATE	D ** ABSORF	TION ** CO	EFFICIENT **	****
VU	٧L	JU	JL		CODE	NUMBER	LENGTH	WIDTH			CM#GM			
				STATE					T = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
				ENERGY		C P - 1	WICKON	Н2	, - 1000	1 = 1300	2000	. 25**		
-2	. 0	68	67	8631.33	1	6357.80	1.5729	0.0303	1.39E-05	5.29F-04	2.80E+03	6.85E-03	1.15E-02	1.58E-02
<u>3</u> 3	. 0	3	2	11.54	1	6361.32	1.5720	0.0609	6.77E-02	4.13E-02	2.76E-02	1.96E-02	1.44E-02	1.09E-02
						6361.43	1.5720	0.0303	1.94E-05	6.53E-04	3.26E-03	7.69E-03	1.26E-02	1.70E-02
3	~O	6.7	6,6	8381.13 23.07	1	6364.75	1.5712	0.0611	9.00E-02	5.51E-02	3.70E-02	2.63E-02	1.94E-02	1.47E-02
3	0	4	3	8134.45	1	6364.94	1.5711	0.0303	2.68E-05	8.03E-04	3.77E-03	8.60E-03	1.38E-02	1.83E-02
3	0	66	65				1.5703	0.0614	1.11E-01	6.88E-02	4.64E-02	3.30E-02	2.44E-02	1.85E-02
3	0	5	4	38.45	1	6368.07	1.5703	0.0303	3.69E-05	9.84E~04	4.36E-03	9.618-03	1.51E-02	1.96E-02
3	0	65	64	7891.29	1	6368.34		0.0503	1.32E-01	8.21E-02	5.56E+02	3.97E-02	2.93E-02	2.23E-02
3	0	6	5	57.67		6371.28	1.5695	0.0303	5.05E-05	1.20E-03	5.03E-03	1.07E-02	1.64F-02	2.10E-02
₹.	O	64	63	7651.67		6371.63	1.5695		1.51E-01	9.49E-02	6.46E-02	4.62E-02	3.43E-02	2.61F-02
3	٥	7	6	80.74		6374.38	1.5688	0.0620		1.46E-03	5.78F-03	1.19E-02	1.78E-02	2.24E-02
3	0	63	62	7415.60	1	6374.80	1.5687	0.0303	6.88E-05	1.48E-03	7.33E-02	5.27E-02	3.92E-02	2.995-02
3	0	8	7	107.65		6377.39	1.5680	0.0623	1.68E-01			1.32E-02	1.93E-02	2.39E-02
3	0	62	61	7183.08		6377.86	1.5679	0.0303	9.31E-05	1.778-03	6.62E-03 8.17E-02	5.90E-02	4.39E-02	3.36E-02
3	0	9	8	138.40		6380.28	1.5673	0.0624	1.83E-01	1.18E-01			2.08E-02	2.54E-02.
3	۳0 ۳	6,1	.60	6954.12	. 1	6380.80	1.5672	0.0303	1.25E-04	2.13E-03	7.56F-03	1.45E-02		3.72E-02
3	0	10	9	172.99	1	6383.07	1.5666	0.0624	1.95E-01	1.295-01	8.96E-02	6.50E-02	4.86E-02	
3	0	6 C	59	6728.75	1	6383.63	1.5665	0.0303	1.68E-04	2.56E-03	8.60E-03	1.60E-02	2.25E-02	2.70E-02
3	C	11	10	211.42	1	6385.75	1.5660	0.0625	2.06E-01	1.386-01	9.71E-02	7.08E-02	5.31E-02	4.08E-02
3	0	59	58	6506.95	1	6386.34	1.5658	0.0303	2 • 25E-04	3.09E-03	9.82E-03	1.77E-02	2.43E-02	2.88E-02
3	ò	12	11	253.68	1	6388.32	1.5654	0.0617	2.14E-01	1 • 4 6E-01	1.04E-01	7.63E-02	5.756-02	4.43E-02
.3	0	_58	57	6288.75	1	6388.95	1.5652	0.0303	2.99E-04	3.70F-03	1.12E-02	1 • 96E-02	2.63E~02	3.06E-02
3	o	13	12	299.78	1	6390.79	1.5648	0.0610	2.19E-01	1.53E-01	1.10E-01	8.14E-02	6.16E-02	4.76E-02
ž	0	57	56	6074.14		6391.43	1.5646	0.0303	3.97E-04	4.43E-03	1.27E-02	2.15E-02	2.83E-02	3.25E-02
3	0	14	13	349.72		6393.15	1.5642	0.0604	2.22E-01	1.59E-01	1.16E-01	8.62E-02	6.56E-02	5.08E-02
3	ō	56	55	5863.14		6393.81	1.5640	0.0303	5.23E-04	5.27E-03	1.44E-02	2.36E-02	3.05E-02	3.45E-02
3	ō	15	14	403.48		6395.41	1.5636	0.0597	2.23E-01	1-64E-01	1.21E-01	9.06E-02	6.92E-02	5.39E-02
_3.	٥.		54	5655.77		6396.07	1.5635	0.0303	6.84E-04_	6.25E-03	1.62E-02	2.59E-02	3.27E-02	3+65E-02
	0	16	15	461.08		6397.55	1.5631	0.0591	2.22E-01	1.67E-01	1.25E-01	9.45E-02	7.27E-02	5.68E-02
	Ö	54	53	5452.01		6398+22	1.5629	0.0303	8.91E-04	7.38E-03	1.82E-02	2.83E-02	3.51E-02	3.86E-02
₹ <u></u> 3	ō	17	16	522.50		6399.59	1.5626	0.0585	2.18E-01	1.70E-01	1.295-01	9.80E-02	7.58E-02	5.95E-02
	Ö	53	52	5251+89		6400.26	1.5624	0.0303	1.15E-03	8.68E-03	2.04E-02	3.08E-02	3.75E-02	4.07E-02
Ĕ, 3	0	18	17	587.75		6401.53	1.5621	0.0568	2 . 12E-01	1.71E-01	1.31E-01	1.01E-01	7.87E-02	6.20E-02
			51	5055.41		6402.18	1.5620	0.0303		1.02E-02	2.295-02	3.35E-02	4.00E-02	4.28E-02
_3.		- 52		•		6403.35	1.5617	0.0552	2.05E-01	1.70E-01	1.33E-01	1.04E-01	8.12E-02	6.43E-02
3	0	19	18	656.82		6403.99	1.5615	0.0303	1.90E-03	1.19E-02	2.550-02	3.63E-02	4.25E-02	4.50E-02
3	0	51	50	4862.58 729.71		6405.07	1.5613	0.0535	1.97E-01	1.69E-01	1.35E-01	1.06E-01	8.34E-02	6.64E-02
3	0	20	19			6405.69	1.5611	0.0303	2.426-03	1.38E-02	2.83E-02	3.92E-02	4.526-02	4.71E-02
3	0	EC	49	4673.40		6406.67	1.5609	0.0515	1.87E-01	1.67E-01	1.35E-01	1.07E-01	8.53E-02	6.83E-02
3	0	21	20	806.42				0.0303		1.60E-02	3.13E-02	4.23E-02	4.78E-02	4.93E-02
3	0	49	48	4487.89		6407.28	1.5607	0.0496	1.76E-01	1.63E-01	1.35E-01	1.09E-01	8.69E-02	7.00E-02
3	0	22	21	886.95		6408.18	1.5605	0.0303	3.85E-03		3.46E-02	4.55E-02	5.05E-02	5.14E-02
3	0	48	47	4306+05		6408.75	1.5604		1.65E-01	1.59E-01	1.34E-01	1.09E-01	8.82E-02	7.14E-02
3	0	23	22	971.28		6409.57	1.5602	0.0476			3.80E-02	4.88E-02	5.33E-02	5.35E-02
3	0	47	46	4127.89		6410.11	1.5600	0.0303	4.82E-03	2.12E-02	1.33E-01	1.09E-01	8.91E-02	7.26E-02
3	0	24	23	1059.42		6410.85	1.5599	0.0457	1.53E-01	1.54E-01	4.17E-02	5.21E~02	5.60E-02	5.56E-02
_3_	0_		45	3953.41	-	6411.36	1.5557	0.0303	5.99E-03			1.09E-01	8.98E-02	7.36E-02
3	0	25	24	1151.37		6412.03	1.5596	0.0437	1.41E-01	1.49E-01	1.31E-01		5.88E-02	5.77E-02
3	0	45	44	3782.62		6412.50	1.5595	0.0303	7.41E-03		4.56E-02	5.56E-02		7.43E-02
3	0	26	25	1247.11		6412.09	1.5593	0.0418	1.29E-01	1.42E-01	1.28E-01	1.09E-01	9.01E-02	5.97E-02
3	0	44	43	3615.54	. 1	6413.53	1.5592	0.0303	9.10E-03	3.12E-02	4.97E-02	5.91E-02	6.15E-02	
3	0	27	26	1346.66	1	6414.05	1.5591	0.0398.	1.17E-01	1.36E-01	1.25E-01	1.08E-01	9.00E-02	7.48E-02
.3_	0	43	42	3452-15	1	6414.44	1.5590	0.0303	1.11E-02	3.53F-02	5.39E-02	6.27E-02	6.42E-02	6.16F-02
3	· `o	28	27	1449.99	1	6414.90	1.5589	0.0379	1.06E-01	1.29E-01	1.22E-01	1 .06E-01	8.97E-02	7.51E-02
3	0	42	41	3292.48		6415.25	1.5588	0.0303	1.356-02	3.96E-02	5.846-02	6.63E-02	6.69E-02	6.356-02
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VÜ	٧L	JU	JŁ	LOWER STATE	CODE	WAVE NUMBER	WAVE LENGTH	HALF W{DTH	*******	* INTEGRATED	** ABSOR	PTION ** CO M-1	DEFFICIENT :	*****
				ENERGY		C M-1	MICRON	H2	T: = 1000	T = 1500	T = 2000	T = 2500	T = 3000	T = 3500
										•				
3	0	29	28	1557.12	1	6415.64	1.5587	0.0359	9.49E-02	1.21E-01	1.188-01	1.04E-01	8.92E-02	7.51F-02
3	0	41	40	3136.53	1	6415.94	1.5586	0.0303	1.63E-02	4.44E-02	6.29E-02	6.99E-02	6.95E-02	6.53E-02
3	0	30	29	1668.03	. 1	6416.27	1.5585	0.0340	8 • 45E-02	1-14E-01	1 - 1 4E - 0 1	1.02E-01	8.63E-02	7.50F-02
ં	0	4 C	35	2984.30	1	6416.52	1.5585	0.0303	: •95E-02	4.95E-02	6.76E-02	7.35E-02	7.20E-02	6.695-02
3	0	21	30	1782.72	1	6416.79	1.5584	0.0335	7.52E-02	1.07E-01	1.10E-01	1.00E-01	8.77E-02	7.50E-02
3	0	39	38	2835.80	1	6416.99	1.5584	0.0303	2•32E→02	5.49E-02	7.24E-02	7.71E-02	7.44F-02	6.84E-02
3	0	32	31	1901-19	1	6417.20	1.5583	0.0331	6.64E-02	1.00E-01	1.06E-01	9.83E-02	8.68E-02	7.49E-02
3	0	36	37	2691.03	1	6417.35	1.5583	0.0303	2.75E-02	6.06E-02	7.73E-02	8.05E-02	7.67E-02	6.99E-02
3.	0	3.3	.32	2023.43	1	6417.50	1.5582	0.0326	5.83F-02	9.32E-02	1.01E-01	9.58E-02	8.56E-02	7.45E-02
3	0	37	36	2550.01	1	6417.60	1.5582	0.0308	3.24E-02	6.67E-02	8.22F-02	8.39E-02	7.88E-02	7.115-02
3	0	34	33	2149.44	1	6417.69	1.5582	0.0321	5.08E-02	8.63E-02	9.66E-02	9.326-02	8.42E-02	7.39F-02
3	0	36	35	2412.73	1	6417.74	1.5582	0.0312	3.79E-02	7.30E-02	8.70E-02	8.72E-02	8.08E-02	7.22E-02
Ē	o	35	34	2279.20	1	6417.77	1.5582	0.0317	4.40E-02	7.96F-02	9.19E-02	9.02E-02	8.26E-02	7.32E-02